TRACEABLE® PRODUCTS

DESIGNED FOR YOUR LAB

CONTROL COMPANY

Contents

Traceable® Products

ISO/IEC 17025 Calibration laboratory

All Traceable® products are provided with a Traceable® Calibration Certificate from our ISO/IEC 17025 calibration laboratory. Timer, thermometer, hygrometer, barometer, tachometer, gauge pressure, differential pressure, scale, balance, conductivity cell, conductivity solution, conductivity meter, UV light meter, light meter, and caliper certificates are accredited by American Association for Laboratory Accreditation (A2LA).

A2LA is widely recognized internationally through bilateral and multilateral agreements and through its participation in International Laboratory Accreditation (ILAC) and Multilateral Recognition Arrangement (MRA). Through A2LA Accreditation, Traceable® Certificates are internationally recognized by Accreditation Agencies and Services in over 75 countries throughout Europe, Middle East, North America, South America, Asia, and Africa.

Traceable® Certificate indicates product is traceable to standards provided by National Institute of Standards and Technology (NIST), a U.S. Government agency within Commerce Department. The Traceable® Certificate complies with ANSI/NCSL Z540-1.

Certified Reference Materials, ISO Guide 34

ISO Guide 34 provides highest achievable level of quality assurance, documentation, and accuracy for chemical standards. All standards are directly traceable to NIST (National Institute of Standards and Technology) and/or a National Standards Laboratory.

Certified Reference Materials (CRM) are produced in an accredited manufacturing facility, our ISO Guide 34 Accredited Certified Reference Material (CRM) Producer. Additional certifications include ISO 31 (certificate content) and ISO 35 (statistical analysis). ISO Guide 34 Certified Reference Material (CRM) Producer is accredited by American Association for Laboratory Accreditation (A2LA Certificate No. 1750.02).

ISO 9001 Quality Certified

All products are provided from our ISO 9001 Quality Certified Company. This quality certification provides users with assurance that they receive only finest and most reliable products. It is worldwide recognition of superb quality for innovative electronic products. ISO 9001 Certification insures that every product is checked and rechecked to provide for absolutely highest quality. In addition, ISO 9001, in contrast to other ISO 9000 certifications, requires that design phase of every product be included in quality requirements. The 9001 certification provides that quality is designed into every product beginning with first drawing. All products are produced under ISO 9001 and certified by DNV (Det Norske Veritas.)

Trademark reference: Traceable® is a registered trademark of Control3.

Through A2LA Accreditation, Traceable® Certificates are internationally recognized by the following Accreditation Agencies and Services in these countries:

Albania DPS	**Argentina** OAA	**Armenia** SARM	**Australia** NATA	**Austria** BMWA	**Belarus** Gosstandart	**Belgium** BELAC (BKO and BELTEST sections)	**Brazil** CITAC, CGCRE/ INMETRO	**Canada** CAEAL, QMP-LS, SCC	**Chile** INN	**China, Hong Kong** HKACL, HKAS	**China, People's Republic of** NAL	**Croatia** (Hrvatska) HAA, HMD	**Cuba** ONARC	**Cyprus** CYS	**Czech Republic** CAI
Denmark DANAK	**Ecuador** OAE														
Egypt EGAC, NLAB	**El Salvador** NCST	**Finland** FINAS	**France** COFRAC	**Georgia** NBA	**Germany** DACH, DAP, DAR, DASMIN, DATech, DKD, EUROLAB	**Greece** ESYD	**Guatemala** OGA	**Hungary** EURACHEM, NAT	**India** NABL	**Indonesia** KAN	**Iran** IAS	**Ireland** INAB	**Israel** ISRAC	**Italy** SINAL, SIT	**Japan** IAJapan, JAB, JLA
Jordan JISM	**Kazakhstan** CAC-MAS-Q														
Kenya KENAS	**Korea, Republic of** KOLAS	**Kyrgyzstan** Kyrgyzstandard	**Luxembourg** OLAS	**Malaysia** DSM	**Mauritius** MAURITAS	**México** EMA, IAAC	**Moldova, Rep/.** Center of Accreditation in the field of Conformity Assessment of the Republic of Moldova	**Mongolia** MNCCI	**Morocco** MCA	**Netherlands** AEAO, RvA	**New Zealand** IANZ	**Norway** NA, NORDTEST	**Pakistan** PNAC	**Philippines** BPSLAS	**Poland** PCA
Portugal IPAC	**Romania** RENAR														
Russian Federation AAC Analitica, RTO	**Singapore** SAC	**Slovakia** (Slovak Rep) SNAS	**Slovenia** SA	**South Africa** NLA, SADCA, SANAS	**Spain** ENAC	**Sweden** SWEDAC	**Switzerland** SAS	**Taiwan** TAF	**Tajikistan** The Agency for Standardization, Metrology, Certification and Trade Inspection under the Ministry of Economics and Trade of the Republic of Tajikistan	**Thailand** BLQS-DMSc, TLAS/TISI	**Trinidad & Tobago** TTBS	**Tunisia** TUNAC	**Turkey** TURKAK	**Ukraine** NAAU	**United Arab Emirates** DAC, ENAS
United Kingdom IFIA, UKAS	**United States of America** NIST														
Uzbekistan UZSTANDARD	**Vietnam** VILAS														

CONTROL COMPANY

Traceable® Four-Channel Alarm Timer

TOP SELLER

The lab's most popular timer

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- Massive ¾" high display allows viewing from across the lab
- Remarkable memory returns display to previously programmed countdown time at the touch of a button
- Extra-loud, high decibel alarms for 1 minute or can be silenced manually
- Supplied: clip, stand, magnet, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5004	99 hours, 59 minutes, 59 seconds	1 second	0.01%	4

Traceable® Multi-Colored™ Timer

NEW

Show your distinct style with customized bold colors—a fresh look for lab

- 3-bright colorful supplied frames permit personalization of timer
- Unique memory returns channel to previously programmed setting at touch of a key
- Counts up during alarming indicating elapsed time since alarming, 12/24 hour clock
- Supplied: bench stand, magnetic back, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5012	99 hours, 59 minutes, 59 seconds	1 second	0.01%	4

Colored frames supplied

Traceable® 100-Hour Timer

Lab workhorse provides 100 hour up/down timing on four channels

- Features: counts down/up, alarms, clock
- TIME IS UP message flashes on display during count-up mode
- Alarms sound for 60 seconds and may be silenced manually
- Supplied: battery, flip-open stand, clip, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5040	99 hours, 59 minutes, 59 seconds	1 second	0.01%	4

Traceable® Three-Channel Alarm Timer

TOP SELLER

Innovative timer has programmable alarm with adjustable volume control for any environment

- Features: count up/down, time in/out, memories, alarm, clock, adjustable alarm duration/volume
- Perfect unit to dedicate to repetitive tests
- Triple display shows 3 different times at once; tests can be started individually or simultaneously
- Adjustable volume alarm can be set to sound for 60 seconds or to sound continuously until turned off
- Supplied: battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5000	99 hours, 59 minutes, 59 seconds	1 second	0.001%	3

Traceable® Original Lab Timer

Three-channel lab staple gives years and years of reliable service

- Features: countdown, distinct alarm and display indicator per channel
- Simple-to-use timer is ideal for quality-control and experimental requirements
- Alarms sound for 60 seconds or may be turned off manually
- Supplied: batteries, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5002	9 hours, 59 minutes, 59 seconds	1 second	0.001%	3

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Traceable® Triple-Display Timer

Triple-line display makes easy work of simultaneously timing three events
- Features: count up/down, time in/out, memory, alarm, stopwatch, 12/24-hour clock
- Perfect timer for dedicating to a test requiring several different times
- Unique memory returns channel to previously programmed setting at touch of a key
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Supplied: battery, magnetic back, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5025	19 hours, 59 minutes, 59 seconds	1 second	0.01%	3

Traceable® Three-Line Alarm Timer

Unique, 3-channel timer is perfect for use in all count up/down timing combinations
- Features: alarm for each channel sounds for 60 seconds, count up/down, memory, clock
- Display: 3-line LCD with 0.38" high digits
- Supplied: clip, stand, magnet, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5008	99 hours, 59 minutes, 59 seconds	1 second	0.01%	3

NEW

Traceable® Flashing LED Big-Digit Dual Channel Timer

Compact, multi-tasker with 6-digit, dual channel display
- Features: 2 simultaneous countdown activities, flashing LED timing indicator/alarm, adjustable volume
- Unique visual indication for each channel; green light flashes while counting down and read light flashes once zero has been reached
- Adjustable volume: high decibel, low decibel, or off for silent flashing LED operation
- Supplied: batteries, magnetic back, flip-open stand/clip, opening for lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5017	99 hours, 59 minutes, 59 seconds	1 second	0.01%	2

TOP SELLER

Extra-Extra-Loud Traceable® Timer

Extra-extra-loud alarm on each channel is perfect for use in high noise areas
- Features: big-key, easy-to-operate, 2-channel timer counts up/down, allows unlimited time-outs
- 100-decibel alarm on each channel for 60 seconds or may be turned off manually
- Supplied: batteries, magnetic back, flip-open stand, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5014	99 hours, 59 minutes, 59 seconds	1 second	0.01%	2

Traceable® Two-Memory Timer

Popular bench-mate with memory is ideal for repetitive quality control tests and requirements
- Features: count up/down, time in/out, memories, 12/24 hour clock
- Each channel's memory feature recalls previously programmed time and allows same tests to be repeated
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Supplied: battery, magnet, flip-open stand/clip, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5006	23 hours, 59 minutes, 59 seconds	1 second	0.01%	2

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Traceable® Nano™ Timer

Small design—large display

- Features: countdown alarm time/stopwatch (count-up) time, or 12/24 hour clock
- Two-channel memory automatically returns display to original programmed time
- Supplied: battery, clip/stand, magnet on back, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5132	23 hours, 59 minutes, 59 seconds	1 second	0.01%	2

Traceable® Jumbo Timer

Read display from any angle

- Features: count up/down, time in/out, memory, alarm, 12/24 hour clock, stopwatch
- Adjustable jumbo display from 90° to 180°
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Supplied: battery, stand, wall-mount, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels	Unit color
5022	24 hours	1 second	0.01%	2	Black
5023	24 hours	1 second	0.01%	2	White

Traceable® Double Display Timer

Quick-set, reliable lab assistant has easy to read, 2-line display

- Features: count up/down, time in/out, memory, clock, stopwatch
- Always-ready memories on both countdown channels return display to previously programmed timing
- Supplied: battery, magnet, flip-open stand/clip, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5127	20 hours	1 second	0.01%	2

Traceable® Extra, Extra Large Digit Countdown Timer

NEW

Extreme 1½ inch digit height allows viewing from 60 feet

- Features: count up/down, memory, alarm, stopwatch
- Unique memory returns channel to previously programmed setting at touch of a key
- Supplied: hanger, clip, easel bench stand, magnetic back, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5135	99 minutes, 59 seconds	1 second	0.01%	1

Traceable® Flashing LED Alert Big-Digit Alarm Timer

NEW

Big-Digit Timer has it all—adjustable alarm, flashing led, superb accuracy

- Features: 1-inch display, count up/down, flashing LED, adjustable volume, 3 countdown memories
- Green light flashes every second after timing reaches 10 seconds; red LED indicator flashes when zero is reached and shows time elapsed since alarm
- Adjustable volume: high decibel, low decibel, or off for silent visual flashing LED operation
- Supplied: batteries, magnetic back, flip-open stand/ clip, opening for lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5013	99 minutes, 59 seconds	1 second	0.01%	1

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NEW

Traceable® GIANT-DIGIT™ Countdown Timer

View 11/3" giant size digits on your bench timer from across lab
- Features: countdown/up, memory, stopwatch mode
- Unique memory returns channel to previously programmed setting at touch of a key
- Supplied: stand, magnetic back, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5011	99 minutes, 59 seconds	1 second	0.01%	1

Traceable® 100-Hour Mini-Alarm Timer/Stopwatch

Lab partner delivers multiple functions for routine, everyday timing needs
- Features: count up/down, time in/out, memory, extra-loud alarm, clock
- Numbered keys make it a breeze to set countdown time
- When zero is reached, alarm sounds TIMES UP flashes on display and timer counts up time elapsed since alarm
- Supplied: battery, magnetic back, flip-open stand, clip, opening for lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5021	99 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® Lab-Top Timer

Innovatively designed display can be clearly seen from any angle
- Features: count down/up, memory, clock, large keys
- In countdown mode when unit reaches zero, alarm sounds and timer counts up showing time elapsed since alarm; TIME'S UP flashes on display
- MEMORY stores most recently programmed time and provides quick access for repetitive tasks
- Supplied: battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5007	23 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® Alarm Timer/Stopwatch

Numbered, quick-set keys make programming this multi-purpose timer a breeze
- Features: count up/down, time-out, alarm
- Numbered keys make it a breeze to set countdown time
- Supplied: clip, stand, magnet, opening for lanyard, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5020	99 minutes, 99 seconds	1 second	0.01%	1

Traceable® 99M/59S Timer

Jumbo-digit, light weight, portable lab partner is ideal for repetitive countdown tests
- Features: count up/down, memory, large keys, extra large digits, alarm
- Unique memory resets display to last programmed time for quick repeat of frequent, routine tests
- Supplied: battery, magnet, flip-open stand, clip, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5028	99 minutes, 59 seconds	1 second	0.01%	1

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Traceable® Memory Timer

Unique timer counts down with an alarm and remembers setting

● Unique memory returns display to previously programmed time at touch of a key

● Loud-beeping alarm sounds for 60 seconds or may be turned off manually

● Supplied: battery, clip/stand, magnetic back, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5030	24 hours to 1 minute	1 second	0.01%	1

Traceable® Talking Timer

Talks, counts down, counts up and tells time with Traceable® precision

● Timer speaks in English announcing time remaining, time elapsed since alarm was triggered, and time of day

● Six distinct alarm sounds make this timer ideal for purchasing multiple units and setting each one to a different alarm sound

● Supplied: magnetic back, flip-open stand, spring fastener, opening for lanyard, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5015	23 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® Advanced Memory Timer

Timer remembers last time set, counts down, alarms, and counts up

● Features: count-up/count-down/clock

● Clock channel features time of day to the second with AM/PM indicators

● Remarkable memory returns display to the previously programmed countdown time at the touch of a key

● Visual alarm displays TIMES UP

● Supplied: clip, magnet, flip-open stand, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5035	23 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® Triple-Purpose Timer

Displays countdown alarm time, stopwatch time, and time

● Features: big-digits, countdown alarm time, stopwatch, or 12/24-hour clock

● Full 0-9 keyboard makes entering times exceptionally fast

● Supplied: magnetic back, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5027	9 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® Fingertip™ Timer

Quick-to-program, three-key, countdown timer delivers error-free operation for any lab test

● Features: count down, time in/out, alarm

● Impressive memory remembers most-recently-programmed setting for recurring lab experiments

● Supplied: battery, magnetic back, Velcro®, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5042	99 minutes, 59 seconds	1 second	0.01%	1

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NEW

Traceable® Waterproof/Steam-proof Timer

Affix this timer anywhere using removable suction cup

- Features: countdown/up, memory, stopwatch mode, waterproof, steamproof
- Ideal for use in wash-down areas, wet labs, manufacturing plants or field work
- Impressive memory remembers most-recently-programmed setting for recurring lab experiments
- Supplied: stand, removable suction-cup, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5200	99 minutes,59 seconds	1 second	0.01%	1

Traceable® Instant-Recall Memory Timer

Always-ready time-minder delivers accurate results for lab's demanding countdown requirements

- Features: count down, time in/out, memory
- Intuitive, 3-key programming make this all-time-favorite perfect for delivering countdown results
- Valuable time-out function permits unlimited time-outs without having to reset timer
- Supplied: battery, flip-open stand, clip, magnetic back, opening for lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5122	99 minutes, 59 seconds	1 second	0.01%	1

Traceable® LCD Timer

Amazing, compact, 6-digit-display multi-tasker offers easy-set count up/down timing and clock

- Features: count up/down, time in/out, memory, clock
- When countdown timing reaches zero, TIMES UP flashes on display, alarm sounds, and timer counts up showing time elapsed since alarm
- Supplied: battery, flip-open stand, clip, magnet, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
8906	23 hours, 59 minutes, 59 seconds	1 second	0.01%	1

Traceable® QC Timer

Simple 3-key use and large digits for easy viewing

- Features: count up/down
- When countdown timing reaches zero, TIMES UP flashes on display, alarm sounds, and timer counts up showing time elapsed since alarm
- Supplied: battery, flip-open stand, clip, magnet, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5026	20 hours to 1 minute	1 minute	0.01%	1

Traceable® Visual Alarm Timer (9999m)

Automatic memory resets display to last programmed time—ideal for repetitive tests

- Features: count up/down, time in/out, alarm
- Lightweight, mini-size, 3-key operation provides fast, user-friendly, reliable service
- Extended time makes this unit ideal for long test runs
- Supplied: battery, stand, magnet, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5133	9999 minutes to zero	1 second to 1 minute	0.01%	1

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Traceable® Clip-It™ Timer

NEW

Perennial favorite multi-tasking timer attaches to any lab surface

- Features: count up/down, alarm, time in/out
- Helpful memory saves last programmed setting for quick recall—useful for repetitive timing events
- Supplied: clip, magnet, opening for lanyard, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5046	100 hours	1 second	0.005% quartz-crystal	1

Traceable® Key-Chain Timer

Cleverly-designed, portable timekeeper travels anywhere

- Features: key-chain, count up/down, time in/out, alarm, stopwatch
- In stopwatch mode, timer counts up from 1 second to 20 minutes then rolls over and counts up again
- At zero, alarm sounds for 60 seconds and timer shuts off automatically
- Supplied: battery, key-chain, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5041	20 hours (countdown) 20 minutes (countup)	1 minute (countdown) 1 second (countup)	0.01%	1

Traceable® Touch Timer

Quick-to-set, countdown timer gets job done

- Features: countdown, oversized keys, alarm, key-chain
- Mini, postage-stamp-size, feather-weight timer fits in smallest pockets or anywhere in lab
- When zero is reached, beeping alarm sounds for 20 seconds or may be turned off manually
- Supplied: battery, key-chain, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5047	19 hours 59 minutes	1 minute	0.01%	1

Traceable® Digital Timer Plus

Handiest timer ever designed clips to any surface

- Features: count up/down, time in/out, key-chain, alarm
- When zero is reached, alarm sounds for 60 seconds or may be silenced manually
- Supplied: key-chain, clip, magnet, opening for lanyard, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5045	100 hours	1 second	0.005%	1

Traceable® Pocket Timer

Quick and effortless operation delivers quartz-crystal accuracy

- Features: key-chain, count up/down, time in/out, memory, alarm
- When countdown timing reaches zero, alarm sounds, display flashes, and unit counts up showing time elapsed since alarm
- Supplied: battery, key-chain, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
1060	20 hours to 1 minute	1 minute	0.015%	1

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Traceable® Tie Timer

Multipurpose, ready-to-wear lanyard timer adds style to capturing testing results
- Features: count up/down, time in/out, memory, alarm, clock, lanyard
- Count up/down timer has distinctive 36" (91.4cm) lanyard for never-miss-an-alarm lab wear
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5043	24 hours	1 second	0.01%	1

Traceable® Water-Resistant, Flashing Timer

Perfect timer for wet labs, wash-down areas, manufacturing plants and field use
- Features: water-resistant, splash proof, countup/countdown (if it counts both up and down), alarm, lanyard
- Bright LED flashes at zero to indicate alarm is sounding
- Infinite timeouts
- Audible alarm sounds for 1 minute or can be manually turned off
- Supplied: lanyard, suction cup, magnet, Velcro®, battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels
5036	99 minutes, 59 seconds	1 second	0.01%	1

SX-Timer™ and Quick-Timer™

Easy-to-read, and use—no keys, no batteries
- Features: count down, key-chain, lanyard
- Loud five-second bell rings at zero
- Turning the pointer to the desired countdown automatically winds timer; indicating pointer always show exact time remaining
- Supplied: key-chain, lanyard

1093   1092

Cat. No.	Timing Capacity	Resolution	Description
1092	0 to 60 minutes	1 minute	blue/white, with magnet on back, diameter 2½ x 1", weight is 3 oz
1093	0 to 60 minutes	1 minute	translucent blue/white, diameter 2¼ x 1", weight 2¼ oz.

60-Minute Interval Timer

Stands on lab bench at a viewing angle
- Features: count down, no batteries
- Bell sounds at end of cycle

Cat. No.	Timing Capacity	Resolution	Size
1062	0 to 60 minutes	1 minute	3¾ x 3¾ x 2 inches

Compact Timer

A loud, 5-second alarm signals elapsed time for all lab tests
- Features: count down, no batteries
- Bell sounds at end of cycle

Cat. No.	Timing Capacity	Resolution	Size
1004	0 to 120 minutes	1 minute	3¾ x 3¾ x 2 inches

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Eight-Channel Alarm Timer

The ONLY timer manufactured with 8-channels and an adjustable alarm volume

- Features: count up/down, count-up alarm, countdown repeat, stopwatch, memories, clock, volume control
- Volume control sets alarm from whisper-low to ear-piercing loud
- Alarms continuously until turned off manually, or may be set to automatically turn off in 7 seconds or 1 minute

Cat. No.	Timing Capacity	Resolution	Accuracy	Channels	Power
5005	99 hours 59 minutes 59 seconds (for all channels)	1 second	0.01%	8	115 VAC/60 Hz

Timer Selection Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Accuracy	Maximum Time	Resolution	Channels	Battery	Clock	Memory	Features
1004	10	No	n/a	120 Minutes	1 Minute	n/a	n/a	No	No	Compact-mechanical
1060	9	Yes	0.02%	20 Hours	1 Minute	1	1104	No	No	Key-chain
1062	10	No	n/a	60 Minutes	1 Minute	n/a	n/a	No	No	Mechanical
1092	10	No	n/a	60 Minutes	1 Minute	n/a	n/a	No	No	Magnet and lanyard
1093	10	No	n/a	60 Minutes	1 Minute	n/a	n/a	No	No	Lanyard and key-chain
5000	3	Yes	0.00%	100 Hours	1 Second	3	1105	Yes	Yes	Continuous alarm
5002	3	Yes	0.00%	10 Hours	1 Second	3	1111	No	Yes	3 timing channels
5004	3	Yes	0.01%	100 Hours	1 Second	4	1039	Yes	Yes	4-channel countdown/up
5005	11	No	n/a	100 Hours	1 Minute	8	n/a	No	No	8 timing channels
5006	4	Yes	0.01%	24 Hours	1 Second	2	1039	Yes	Yes	2-channel countdown/up
5007	6	Yes	0.01%	24 Hours	1 Second	1	1111	Yes	Yes	Innovative design
5008	4	Yes	0.01%	100 Hours	1 Second	3	1039	Yes	Yes	3-line display
5011	6	Yes	0.01%	100 Minutes	1 Second	1	1105	No	Yes	Jumbo digits
5012	3	Yes	0.01%	100 Hours	1 Second	4	1039	Yes	Yes	Personalize your timer
5013	5	Yes	0.01%	100 Minutes	1 Second	1	1105	No	Yes	Automatic memory
5014	4	Yes	0.01%	100 Hours	1 Second	2	1105 (alarm)/1039 (timer)	Yes	Yes	100-decibel alarm
5015	7	Yes	0.01%	24 Hours	1 Second	1	1039	Yes	Yes	Repeat countdown and talking
5017	4	Yes	0.01%	100 Hours	1 Second	2	1105	No	Yes	Large display
5020	6	Yes	0.01%	100 Minutes	1 Second	1	1039	No	No	Numbered keys
5021	6	Yes	0.01%	100 Hours	1 Second	1	1039	Yes	Yes	Numbered keys
5022	5	Yes	0.01%	24 Hours	1 Second	2	1105	Yes	Yes	Jumbo-display black
5023	5	Yes	0.01%	24 Hours	1 Second	2	1105	Yes	Yes	Jumbo-display white
5025	4	Yes	0.01%	20 Hours	1 Second	3	1105	Yes	Yes	Triple-display
5026	8	Yes	0.01%	20 Hours	1 Minute	1	1105	No	No	Easy 3-key operation
5027	7	Yes	0.01%	10 Hours	1 Second	1	1105	Yes	Yes	Clock, timer, stopwatch
5028	6	Yes	0.01%	100 Minutes	1 Second	1	1105	No	Yes	Automatic memory
5030	7	Yes	0.01%	24 Hours	1 Second	1	1039	No	Yes	Memory
5035	7	Yes	0.01%	24 Hours	1 Second	1	1039	Yes	Yes	Compact all-in-one
5036	10	Yes	0.01%	100 Minutes	1 Second	1	1039	No	Yes	Water-resistant
5040	3	Yes	0.01%	100 Hours	1 Second	4	1039	Yes	Yes	Easy to program
5041	9	Yes	0.01%	20 Hours	1 Minute	1	1039	No	Yes	Key-chain
5042	7	Yes	0.01%	100 Minutes	1 Second	1	1039	No	Yes	Easy to use
5043	10	Yes	0.01%	24 Hours	1 Second	1	1039	Yes	Yes	Lanyard
5045	9	Yes	0.01%	100 Hours	1 Second	1	1039	No	No	Key-chain
5046	9	Yes	0.01%	100 Hours	1 Second	1	1039	No	Yes	Clips to everything
5047	9	Yes	0.01%	20 Hours	1 Minute	1	1104	No	No	Postage stamp size
5122	8	Yes	0.01%	100 Minutes	1 Second	1	1105	No	Yes	Memory
5127	5	Yes	0.01%	20 Hours	1 Second	2	1105	Yes	Yes	Two-line display
5132	5	Yes	0.01%	24 Hours	1 Second	2	1039	Yes	Yes	Ultra-compact
5133	8	Yes	0.01%	166 Hours	1 Second	1	1105	No	Yes	Times up, flashing LED
5135	5	Yes	0.01%	100 Hours	1 Second	1	1105	No	Yes	Extra-extra-large digits
5200	8	Yes	0.01%	100 Minutes	1 Second	1	1039	No	Yes	Removable suction-cup
8906	8	Yes	0.01%	24 Hours	1 Second	1	1039	No	Yes	Compact timer with clock
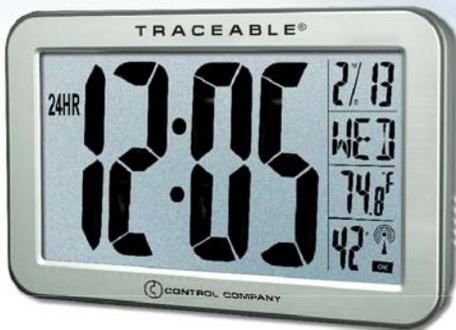
NEW

Traceable® Jumbo-Digit Compact Radio-Controlled Atomic Clock

Jumbo sized 3¾ inch clock digits in a compact case

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct date/time; calendar displays month/date and day
- Temperature range: 23 to 122°F (–5 to 50°C); resolution: 0.1°; accuracy: ±1°C
- Supplied: wall mount, bench stand, batteries, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
1080	12/24 hours	1 second	1/10,000 second	9 x 5 x 1¼ inches; 15 ounces

NEW

Traceable® GIANT-DIGITS™ Radio-Controlled Atomic Clock with Ambient and Remote Temperature

View time and temperature from anywhere

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct date/time; calendar displays month/date, day, leap year, earth's wobble in leap seconds
- Temperature range: 23 to 122°F (–5 to 50°C); resolution: 0.1°; accuracy: ±1°C
- Supplied: wall mount, bench stand, batteries, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size
1087	12/24 hours	1 second	1/10,000 second	16½ x 10½ x 1¾ inches

TOP SELLER

Traceable® Radio-Controlled Wall Atomic Clock

Adjusts automatically for daylight savings, leap year, and leap seconds

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct date/time; calendar displays month/date and day
- Temperature range: 32 to 122°F (0 to 50°C); resolution: 0.1°
- Supplied: wall mount, bench stand, batteries, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
1076	12/24 hours	1 second	1/10,000 second	11 x 7¼ x ¾ inch; 1 pounds

Traceable® Analog Radio-Controlled Wall Atomic Clock

Large numbers and bright, sweeping second hand are highly visible

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct time
- Supplied: wall mounting slot, batteries, Traceable® Certificate, screw

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
1077	12/24 hours	1 second	1/10,000 second	12 inches x 2 inches; 1⅜ pounds

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CONTROL COMPANY

Workstation—Traceable® Radio-Controlled Atomic Clock

World's most accurate clock for your workstation

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct date/time; calendar displays month/date, day, back-lit display, alarm
- Alarm volume increases until turned off
- Ideal for recording the receiving of samples or noting the exact time an event occurred
- Temperature range: 32 to 158°F (0 to 70°C); resolution: 0.1°C; accuracy: ±1°C
- Supplied: bench stand, batteries, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
5125	12/24 hours	1 second	1/10,000 second	2½ x 3 x 1½", 4 ounces

Traceable® Radio-Controlled Atomic Clock

Back-lighting for viewing in dark places

- Features: radio signal from NIST's Colorado atomic clock automatically sets correct date/time; calendar displays month/date, day, back-lit display
- Temperature range: 32 to 158°F (0 to 70°C); resolution: 0.1°C; accuracy: ±1°C
- Supplied: bench stand, batteries, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
5003	12/24 hours	1 second	1/10,000 second	4¼ x 4¼ x 2½", 6 ounces

Traceable® Thermometer/Clock/Humidity Monitor

TOP SELLER

Simultaneously displays time of day, temperature, and humidity

- Features: Min/Max memory, memory clear, °F/°C switchable, 12/24-hour clock
- At the touch of a button, memory recalls the highest and lowest temperature and humidity readings
- Internal sensors make it ideal for use in hoods, storerooms, cleanrooms, incubators, drying chambers and environmental cabinets
- Supplied: stand, wall mount, double-back tape, batteries, Traceable® Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
4040	Time: 12/24 hours	1 minute	0.01%	4¼ x 2¼ x ½", 2½ ounces
	Temp: 0.0 to 50.0°C	0.1°	±1°C	
	Humidity: 20 to 90% RH	1%	±5% RH midrange otherwise ±8% RH	

Traceable® Calendar/Thermometer/Clock

Clock has stylish 2-tone color and slim silhouette

- Features: time, date/day, temperature
- Supplied: battery, wall-mount, Traceable® Certificate

| Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
1072	Time: 12/24 hour clock	1 minute	0.01%	9¼ x 10 x 1", 19 ounces
	Temp: –5 to 50°C	0.1°	n/a	

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# Traceable® Clock/Thermometer/Humidity

Simultaneously displays time, temperature, and humidity on wall or lab bench

- Features: analog time, temperature; humidity
- Crisp reading dials and bright orange sweeping second hand provides superior visibility
- Low-profile slim design has impact-resistant ABS case
- Supplied: battery, wall mount screw, Traceable® Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
1079	Time: AM/PM clock	1 second	0.01%	Clock dial: 9 inches Temp/Humidity dials: 3 inches Overall: 12½ x 11 x 1-inch; 1⅝ pounds
	Temp: –37 to 47°C	2°C	n/a	
	Humidity: 8 to 92%	2%	n/a	

Traceable® Waterproof Indoor/Outdoor Clock

Ideal for washdown areas and harsh environments

- Features: O-ring sealed, waterproof ABS impact-resistant case, displays °F/°C simultaneously
- Supplied: wall mount, batteries, Traceable® Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
1078	Time: AM/PM	1 second	0.01%	7 inch diameter, dial: 5 inches; 12 ounces
	Temp: –20 to 40°C	1°	±1.5°C	

Traceable® Clock Thermometer/Humidity

Bright, sweeping hands simultaneously display time, temperature, and humidity on wall

- Features: analog time, temperature, humidity
- Supplied: battery, wall mount screw, Traceable® Certificate

Cat. No.	Feature parameters	Resolution	Accuracy	Size/Weight
1071	Time: AM/PM clock	1 second	0.01%	12½-inch diameter, 1 pound
	Temp: –20 to 55°C	1°	n/a	
	Humidity: 0 to 100%	2%	n/a	

Traceable® Splash-Resistant Wall Clock

Attractive 12-inch wall clock tell time of day to second

- Features: water/dust resistant sealed case, bright sweeping second hand
- Supplied: battery, wall mount, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size/Weight
1067	AM/PM clock	1 second	0.01%	12½-inch diameter, 1 pound

Traceable® Stick-it™ Mini-Clock

Small size makes mini-clock perfect for work area

- White timing hands give superior visibility
- Flat bottom permits standing on shelf, desk or bench
- Supplied: Velcro®, double-sided tape, battery, Traceable® Certificate

Cat. No.	Time feature	Resolution	Accuracy	Size
1003	AM/PM clock	1 second	0.01%	1.6 inch dia. x 0.3 inch

Timing Functions

A   **Single Action Timing:** Pressing start key begins timing, a second press stops clock.

start   stop

B   **Time-out/Time-in:** Records total elapsed time with any number of "time-outs". Permits stopping timer for "off" periods, holds reading where stopped, and starts again from that point.

A   B   C   A+C
start   stop   start   stop
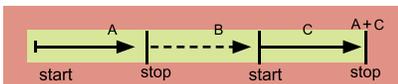
C   **Continuous Timing:** Digits offer a continuous display. When maximum display is reached, digits rollover to zero and automatically begin timing again. Permits timing for hours, days, or weeks.

start   maximum
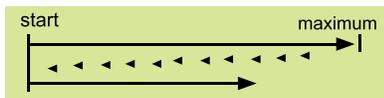
D   **Cumulative Split:** Freezes display for partial event times while internal clock continues to run and measure total elapsed time since starting timer.

start   A   B   C   stop
A
A + B
A + B + C
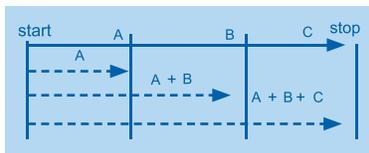
E   **Interval Split:** Yields a readout of each individual time increment of a connected series of events. Each press of key displays time interval since previous press.

start
start 1   stop 1
start 2   stop 2
start 3   stop 3
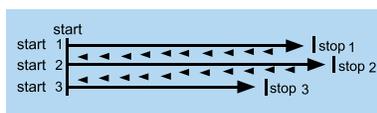
F   **Memories:** Capture and store up to six or eight separate times and display them while timing or after event is over. Never look away from a lab test-even to take notes.

start   A   B   C   D   stop
display A, B, C, D
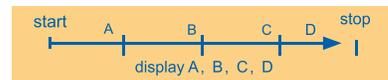
G   **Countdown I (repeat):** An alarm sounds at zero, program automatically repeats, counts down, and alarms again. It continues this sequence until stopped.

start   4, 3, 2, 1   zero
repeat

H   **Countdown II:** Allows setting unit to countdown. An alarm sounds at zero.

start   4, 3, 2, 1   zero
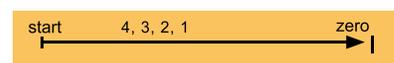
I   **Sample Counter:** Box on display shows sample number for each split taken.

1, 2, 3, 4 . . .
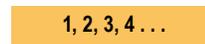
Stopwatch Selections Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Accuracy	Timing Capacity	Resolution	Timing Functions (see above)	Features
1021	18	Yes	0.00%	999 Hours	1/100 Second	A, B, C, D, E, H	12 different events
1025	16	Yes	0.00%	10 Hours	1/100 Second	A, B, C, D, E, F, G, H, I	60 memories
1030	17	Yes	0.01%	10 Hours	1/100 Second	A, B, C, D, E	High accuracy
1031	16	Yes	0.00%	20 Hours	1/100 Second	A, B, C, D, E, F	Triple-display, decimal timing, and 500 memories
1034	17	Yes	0.00%	10 Hours	1/100 Second	A, B, C, D, E	Dual display
1035	18	Yes	0.00%	10 Hours	1/100 Second	A, B, C, D, E, F, H	Pre-programmed countdown
1037	17	Yes	0.00%	24 Hours	1/100 Second	A, B, C, D	Extra-tough construction
1042	17	Yes	0.01%	24 Hours	1/100 Second	A, B, C, D	Waterproof
1043	18	Yes	0.01%	24 Hours	1/100 Second	A, B, C, D	Disposable
1044	17	Yes	0.01%	24 Hours	1/100 Second	A, B, C, D	Extra-tough construction
1045	18	Yes	0.01%	24 Hours	1/100 Second	A, B, C, D	Water-and-shock resistant
1047	16	Yes	0.01%	24 Hours	1/100 Second	A, B, C, D	Big digits
1048	16	Yes	0.00%	10 Hours	1/100 Second	A, B, C, D, E, F, G, H, I	8 memories
1051	17	Yes	0.00%	24 Hours	1/100 Second	A, B, C, D	Jumbo digits
1052	16	Yes	0.00%	10 Hours	1/100 Second	A, B, C, D, E, F, G, H, I	300 memories
1221	18	Yes	0.00%	10 Hours	1/1000 Second	A, B, C, D, E	Bench top

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Traceable® 300-Memory Stopwatch

Three-line display simultaneously shows running time, cumulative-split, and interval-split

- Features: water-resistant, 300 memories, count up/down, repetitive programmable countdown alarm, alarm, clock
- Stopwatch functions: single-action, time in/out, continuous timing, cumulative split, interval split
- Unit recalls 300 memories and displays sample numbers 1 through 300
- Interval split shows longest, shortest and average times
- Supplied: detachable clip, battery, lanyard, Traceable® Certificate

Detachable Clip

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1052	9 hours, 59 minutes, 59 seconds, 99 hundredths	0.01 second	0.001%	A, B, C, D, E, F, G, H, I

Traceable® 60-Memory Stopwatch

Extra smart 10-hour time keeper recalls 60 events

- Features: 60 memories, alarm, time, date, day of week
- Stopwatch functions: single action timing, time in/out, continuous timing, cumulative split, interval split, countdown I and II, auto-repeat
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1025	10 hours	1 second	0.001%	A, B, C, D, E, F, G, H, I

Traceable® Stopwatch/Repeat Timer

Universal stopwatch provides repeat function of countdown alarm timing

- Features: 8 memories, chronograph, pacer, alarm
- Display count box shows how many times cycle has been repeated
- Stopwatch functions: single action, time in/out, cumulative split, interval split, continuous timing
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1048	10 hours to 1/10 of a second	0.01 second	0.001%	A, B, C, D, E, F, G, H, I

TOP SELLER

Traceable® Big-Digit Stopwatch/Chronograph

Utility unit has complete stopwatch functions and full chronograph features

- Features: big-digit, chronograph, time of day in hours, minutes, seconds, AM/PM, date, day, time-of-day alarm
- Stopwatch functions: single action, time in/out, cumulative split, continuous timing
- Extra-tough ABS plastic shockproof construction makes unit ideal for lab and plant use
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1047	23 hours, 59 minutes, 59 seconds	0.01 second	0.0035%	A, B, C, D, E, F, G, H, I

Traceable® Decimal Stopwatch

Extremely accurate stopwatch designed for ease of operation and reliability

- Features: 500 memories, clock, date, day of week, time-of-day alarm
- Decimal stopwatch's four timing formats/resolution are: HR/MIN/SEC; 1/100 SEC; 1/1000 min; 1/100,000 hr; maximum readouts are 19.999999 HR, 1199.999 MIN, 71999.99 SEC, or 19 hr/59 min/59 sec/99 hundredths
- Stopwatch functions: single action, time out, cumulative split, interval split, continuous roll-over timing
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Accuracy	Timing Functions
1031	19 hours, 59 minutes, 59 seconds, 99 hundredths	0.0005%	A, B, C, D, E, F

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Traceable® Digital Stopwatch

Extremely accurate stopwatch with tongue and grove craftsmanship make this a lab must-have
- Features: large digits, water-resistant, constructed to seal out moisture, dust and fumes, alarm
- Stopwatch functions: single action, time out, cumulative split, interval split, continuous roll-over time
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1030	9 hours 59 minutes 59 seconds 99 hundredths	0.01 second	0.0005%	A, B, C, D, E

Traceable® Dual-Display Digital Stopwatch

Dual-display, quartz-crystal stopwatch with cycle counter
- Features: 8 memories, alarm
- Stopwatch functions: single action, time out, cumulative split, interval split, continuous roll-over timing
- Dual display shows cumulative and interval split
- Display count box shows how many times the cycle has been repeated
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1034	9 hours, 59 minutes, 59 seconds, 99 hundredths	0.01 second	0.0005%	A, B, C, D, E

Traceable® Jumbo-Digit Stopwatch

TOP SELLER

Vivid, large stopwatch digits provide ease in reading
- Features: water-resistant, time-of-day alarm, ABS plastic case, AM/PM, date, day, alarm
- Stopwatch functions: single-action, time-out, cumulative-split, and continuous timing
- Supplied: Velcro®, Traceable® Certificate, battery, lanyard, detachable clip

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1051	23 hours, 59 minutes, 59 seconds	1/100 of a second (between 0 to 30 minutes)	0.001%	A, B, C, D
		1 second (between 31 min to 23 hr 59 min 59 sec)		

Detachable Clip

Traceable® Stopwatch/Chronograph

Extra-tough construction with alarm
- Features: shock-resistant ABS plastic case, AM/PM, date, day, alarm, clock
- Stopwatch functions: single-action, time-out, cumulative-split, and continuous timing
- Supplied: lanyard, Traceable® Certificate, battery

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1037	24 hours	0.01 second	0.001% (Ultra™)	A, B, C, D
1044	24 hours	0.01 second	0.01%	A, B, C, D

Traceable® Waterproof/Shockproof Stopwatch

TOP SELLER

General purpose stopwatch is waterproof to three atmospheres
- Features: waterproof, chronograph, time of day in hours, minutes, and seconds, date, day, and alarm
- Stopwatch functions: single action, time out, cumulative split, interval split, continuous timing
- Supplied: battery, key-chain, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1042	23 hours, 59 minutes, 59 seconds	1/100 of a second (between 0 to 30 minutes)	0.01%	A, B, C, D
		1 second (between 31 min to 23 hr 59 min 59 sec)		

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Traceable® Water-/Shock-Resistant Stopwatch

General purpose water-resistant stopwatch with tactile feel
- Features: chronograph, water-resistant, displays time in hrs, mins, secs, date, day, and pause-able alarm
- Stopwatch functions: single action, time out, cumulative split, continuous timing
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1045	23 hour 59 minutes 59 seconds	1/100 second (between 0 and 30 mins), 1 second (between 31 minutes to 23 hours 59 mins 59 secs	0.01%	A, B, C, D

Traceable® Countdown Stopwatch

Pre-programmed, single-action stopwatch provides reliable analysis for frequent, routine tasks
- Features: 8 memories
- Countdown/alarm timing in pre-programmed increments: 1-3, 5, 10, 12, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 min
- Stopwatch functions: single action, time in/out, cumulative split, interval split, continuous timing
- Dual display timer mode can be used in 3 ways: 2 different countdown times simultaneously, 2 independent countdown alarm timers, and 2 independent count up timers
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1035	10 hours	1/100 second	0.01%	A, B, C, D

Traceable® Three-Key Stopwatch

The first disposable stopwatch
- Stopwatch functions: single action timing, time-in/time-out timing, cumulative split timing, continuous timing
- Supplied: battery, lanyard, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1043	24 hours	0.01 second	0.1%	A, B, C, D

Traceable® Digital Bench-top Timer

Unique external triggering capability provides broad array of timing options
- Features: large LCD screen, lab-bench footprint
- Stopwatch functions: time in/out timing, cumulative split and interval split, infinite time outs
- Three 4mm sockets and supplied test leads allow external triggering of STOP/START and SPLIT/LAP/RESET
- Supplied: battery, test leads, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1221	9 hours, 59 minutes, 59 seconds, and 99 hundredths	0.01 second	0.001%	A, B, C, D, E

Traceable® Bench Timer

Times 12 events simultaneously on a lab bench
- Features: large digits, bright LED display, battery backup, alarm
- Stopwatch functions: single action, time in/out, cumulative split, interval split
- Ultra-high stability and sealed quartz-crystal provide precision timing immune to AC line fluctuations
- For use with 120 VAC AC power
- Supplied: back-up battery, Traceable® Certificate

Cat. No.	Timing Capacity	Resolution	Accuracy	Timing Functions
1021	99 hrs, 59 mins, 99 hundredths; 99999.999 sec; 9999.9999 min; 999.99999 hrs	0.001 seconds	0.001%	A, B, C, D, E, H

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Traceable® Walkaway™ Count-up Controllers

Intuitive operation permits program setting in less than 5 seconds

- Performs reproducible stirring, heating, or pumping times; ideal for timed shutdown/repeated on/off timing
- Features: battery backup, manual override
- Automatic operation allows walking away from equipment
- LED lights indicate status of attached equipment
- Manual pause switch overrides program without disturbing it, and permits equipment to be switched off instantly
- Continuously repeats on/off switchings until manually stopped (5058 only)

Cat. No.	Timing Capacity	Horsepower	Accuracy	Power Capacity
5057	0.01 sec to 99.99 secs; 1 min to 9999 mins; or 1 hr to 9999 hrs	1/3	0.01%	120 VAC, 15 amps, 1800 watts
5058	1 sec to 99 secs; 1 min to 99 mins; and 1 hr to 99 hrs	1/3	0.01%	120 VAC, 15 amps, 1800 watts

5057

5058

Traceable® Timer Switch Controller

Program up to 196 switchings per week

- Features: memory (14 different switchings per day), battery backup, manual override, clock
- Schedule an entire week with the press of a few keys; turn equipment on today and off a week later
- Programs allow repeating the same cycle every day of the week, weekdays only, weekends only or any selected day
- CSA-and NTRL-C-rated
- Supplied: battery, Traceable® Certificate

Cat. No.	Timing Capacity	Horsepower	Accuracy	Power Capacity
5050	1 minute or as long as 168 hours	1/3	0.01%	125 VAC, 50/60 Hz, 15 amps, 1850 watts

Traceable® Lab Controller

Controls any appliance plugged into back of controller

- Features: countdown, repeat, manually override, time, stopwatch, metric converter, clock, day
- Provides up to 224 on/off switchings per day or up to 1568 switchings per week

Cat. No.	Timing Capacity	Accuracy	Power Capacity
5010	1 second to 100 hours	0.01%	125 VAC, 50/60 Hz, 3-pronged grounded plug

Switching Capability	125 VAC, 50/60 Hz, 15 amps, 1875 watts
Cycle Duration	Minimum 1 sec, Maximum 168 hr
On/Off Programs	1568 per week, 224 per day
Size	6½ x 4¾ x 3½ inches
Weight	2 pounds

24-Hour Controller & Traceable® 7-Day Controller

Units combine a controller and eight outlet strip into single package

- Features: four time-controlled and four manual outlets; day and AM/PM time; daily program repeat, outlet strip
- Up to 84 on/off switches per week with up to 12 switches per day can be set (5056 only)
- Index pins, which can be raised or lowered to set trip times (5055 only)
- UL-Listed next to NTRL-C rated
- Supplied: battery, Traceable® Certificate (5056 only)

Cat. No.	Timing Capacity	Accuracy	Power Capacity
5055	24 hour (increments of 15 minutes)	n/a	15 amps, 1000 watts at 125 VAC
5056	1 minute to 168 hours	0.01%	15 amps, 1000 watts at 125 VAC

5055   **5056**

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Timing is provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Countdown Controller

Counts down from 23hrs, 59min, 59sec

- Features: programs to 24 hours, turns equipment on/off, manual override, time, backup battery
- Can operate in countdown or time-of-day mode, which permits programming 14 different time-of-day clock switchings, up to 196 on/off switchings per week
- CSA-and NTRL-C-rated
- Supplied: battery, Traceable® Certificate

Cat. No.	Timing Capacity	Horsepower	Accuracy	Power Capacity
5095	1-minute intervals from 23 hours, 59 minutes to 1 minute	1/3	0.01%	125 VAC, 15 amps, 1800 watts

Traceable® Outlet Controller

14 time switchings per day, up to 196 switchings per week

- Features: turns equipment on/off, manual override, memory, random interval setting, time-of-day program, backup battery
- AM/PM day programs allow repeating same cycle everyday, weekdays only, weekends only or any selected days
- CSA-and NTRL-C-rated
- Supplied: battery, Traceable® Certificate

Cat. No.	Timing Capacity	Horsepower	Accuracy	Power Capacity
5090	1 min to 168 hrs	1/3	0.01%	125 VAC, 50/60 Hz, 15 amps, 1850 watts

Traceable® Temperature Controller

Turn equipment on/off at any temperature

- Features: 3 memories, manual override, clock, battery backup
- Turns any piece of equipment on or off when temperature rises above/falls below low set point, schedule timer on/off settings can be pre-set
- Controller can be set in 1 degree increments
- Supplied: battery, Traceable® Certificate

Cat. No.	Range (low)	Range (high)	Temperature Accuracy	Power Capacity
4130	–4 to 140°F/–20 to 60°C	32 to 140°F/0 to 60°C	±1°C	115 VAC, 15 amps, 1800 watts

Traceable® Humidity Controller

Ideal for turning humidifiers and dehumidifiers on or off

- Features: manual override, battery backup, alarm
- Turns any piece of equipment on or off when relative humidity rises above/falls below low set point, timer on/off settings can be pre-set
- Program higher ON/lower OFF or lower ON/higher OFF at any set point within range
- Supplied: rechargeable battery, Traceable® Certificate

Cat. No.	Range	Horsepower	Humidity Accuracy	Power Capacity
4190	30 to 90% RH (increments of 1%)	1/3	±5% RH	125 VAC, 15 amps, 1800 watts

24-Hour/7-Day Controller

Easy-to-set controllers are ready to use out of box, program in less than a minute

- Fast, easy index pin memory permits programming unit to exact time requirements
- Repeats cycle daily or weekly; has manual override

5070

5060

Cat. No.	Timing Capacity	Horsepower	Power Capacity
5060	24-hours (15-minute increment)	1/3	125 VAC, 15 amps, 1875 watts
5070	7-day (2-hour increment)	1/3	125 VAC, 15 amps, 1875 watts

Stainless-steel Probe Thermometer Specifications Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Probe Length	Waterproof	Battery	Alarm	Display Min/Max
4000	22	Yes	–58 to 302°F / –50 to 150°C	0.0001°	±0.05	9"	probe only	1112	no	yes
4044	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0	4.75"	probe only	1039	no	no
4045	25	Yes	–58 to 500°F / –50 to 260°C	0.1°	±1.0	7.75"	probe only	1105	yes	yes
4039/4339	25	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1/±0.05*	4.5"	yes	1039	no	yes
4049	27	Yes	–58 to 302°F / –50 to 150°C	0.1°	±1.0	5.25"	probe only	1039	no	no
4050	27	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.5	3.5"	probe only	1039	no	yes
4052	26	Yes	–58 to 302°F / –50 to 150°C	0.1°	±1	8"	probe only	1039	no	no
4146	25	Yes	–58 to 302°F / –50 to 150°C	0.1°	±1.0	7"	probe only	1039	no	no
4147	24	Yes	32 to 392°F / 0 to 200°C	1°	±2.0	8.5"	probe only	1105	yes	no
4149	27	Yes	–58 to 536°F / –50 to 280°C	0.1°	±1.0	8"	probe only	1039	no	no
4152	25	Yes	–4 to 572°F / –20 to 300°C	0.1°	±1.0 / ±0.5	5.5"	probe only	1039	no	no
4344	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±0.4*	4.75"	probe only	1039	no	no
4349	26	Yes	–58 to 536°F / –50 to 280°C	0.1°	±0.4*	8"	probe only	1039	no	no
4350	27	Yes	–58 to 572°F / –50 to 300°C	0.1°	±0.4*	3.5"	probe only	1039	no	yes
4351	28	Yes	–58 to 302°F / –50 to 150°C	0.1°	±1.0	0.75"	probe only	1039	no	no
4352	26	Yes	–58 to 302°F / –50 to 150°C	0.1°	±0.2*	8"	probe only	1039	no	no
4353	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1	11.375"	probe only	1039	no	no
4354	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±0.5*	11.375"	probe only	1039	no	no
4355	27	Yes	–58 to 302°F / –50 to 150°C	0.1°	±1.0	5.25"	probe only	1039	no	no
4364	28	Yes	–67 to 626°F / –55 to 330°C	0.2°	±0.5	6"	probe only	1105	no	yes
4370/4369	28	Yes	–58 to 536°F / –50 to 280°C	0.1°	±1.0/±0.4*	8"	yes	1039	no	no
4371/4378	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0/±0.4*	8"	yes	1039	no	no
4372/4272	27	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0/ ±0.3*	4.5"	probe only	1105	no	yes
4373	26	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0	7.5"	yes	1039	yes	yes
4374	27	Yes	–58 to 302°F / –50 to 150°C	0.1°	±0.3*	5.25"	probe only	1039	no	no
4376	25	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0	2.75"	probe only	1039	no	yes
4377	25	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0 / ±0.5	5.5"	probe only	1039	yes	yes
4420	28	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.5	3.5"	probe only	1039	no	yes
4421	28	Yes	–58 to 572°F / –50 to 300°C	0.1°	±0.4*	3.5"	probe only	1039	no	yes
4430	24	Yes	–58 to 572°F / –50 to 300°C	0.1°	±1.0	7.5"	probe only	1039	yes	yes
6406	26	Yes	14 to 230°F / –10 to 110°C	0.1°	±1	20"	yes	1105	no	yes
6410	23/30	Yes	–148 to 199°F / –100 to 199°C	0.1°	±0.01	9"	probe only	1105	yes	yes
6412/6413	22	Yes	–328 to 932°F / –200 to 500°C	0.1° to 0.0001°	±0.05	6.3"/ 1"	no	1112	no	yes

General Purpose Probe Thermometer Specifications Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Length Probe	Cable	Waterproof	Battery	Alarm	Display Min/Max
4047	35	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1.0	0.75"	120"	probe/cable	1105	no	no
4122	35	Yes	32.0 to 122°F / 0 to 50.0°C	0.1°	±1	0.75"	120"	probe/cable	1039	no	no
4126	35	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1.0	0.75"	120"	probe/cable	1105	no	yes
4143	35	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1.0	0.625"	120"	probe/cable	1105	yes	no

Refrigerator/Freezer & Vaccine Probe Thermometer Specifications Chart

| Cat. No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Length Probe	Cable	Waterproof	Battery	Alarm	Display Min/Max
4048	31	Yes	–58 to 158°F / –50 to 70°C	1°	±1	0.75"	120"	probe/cable	1111	yes	yes
4105	34	Yes	–40 to 176°F / –40 to 80°C	0.5°	±1.5	1.5"	72"	probe/cable	1105	no	yes
4115	34	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1	0.75"	120"	probe/cable	1111/1105	yes	yes
4120	33	Yes	–58 to 158°F	1°	±1	0.75"	120"	probe/cable	1039	no	yes
4121	31	Yes	–50 to 70°C	1°	±1	0.75"	120"	probe/cable	1039	no	yes
4127	31	Yes	–58 to 158°F / –50 to 70°C	1°	±1	2.5"	120"	probe/cable	1111	yes	yes
4148	32	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1	0.75"	120"	probe/cable	1105	yes	yes
4227	33	Yes	–58 to 158°F / –50 to 70°C	0.1°	±0.5	2.5"	120"	probe/cable	1105	yes	yes
4239	32	Yes	–58 to 158°F / –50 to 70°C	0.01°	±0.3	2.5"	120" (2)	probe/cable	1111	yes	yes
4306	33	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1	2.5"	36" (2)	probe/cable	1105	yes	yes
4426	32	Yes	–22 to 122°F / –30 to 50°C	0.1°	±1.0	2.5"	n/a	yes	1039	no	yes
4548	32	Yes	–58 to 158°F / –50 to 70°C	0.1°	±1	2.5"	120"	probe/cable	1105	yes	yes
6400	30	Yes	–22 to 158°F / –30 to 70°C	0.1°	±0.6	2.5"	79"	probe/cable	1105	yes	yes
6401	30	Yes	–22 to 158°F / –30 to 70°C	0.1°	±0.6	1"	79"	probe/cable	1105	yes	yes
6408	23/30	Yes	–58 to 158°F / –50 to 70°C	0.01°	±0.1	2.5"	120"	probe/cable	1105	yes	yes
6424	31	Yes	–22 to 158°F / –30 to 70°C	0.1°	±1.0	2.5"	n/a	probe/cable	1105	yes	yes

NEW

Traceable® Platinum Ultra-Accurate Digital Thermometer

Most accurate thermometer available with 0.0001° resolution

- High-precision unit is designed for years of reliable service even in harshest environments
- Computer output data captures in real time
- Decimal-placement key changes display to show one, two, three or four significant numbers after decimal
- Internal data logger automatically captures MIN/MAX readings every hour for last 24 hours
- Instant response probe updates readings 3 times per second for liquids, air/gas and semi-solids
- Supplied: battery, platinum probe, cable, computer output, plastic carrying case, Traceable® Certificate

6412 / 6422
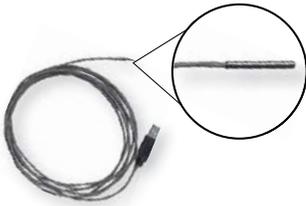
6413 / 6423

Cat. No.	Unit Range	Probe Range	Resolution	Accuracy	Platinum RTD Stainless-steel Probe
6412	–200.00 to 500.000°C	–200.00 to 500.000°C	0.1° to 0.0001	±0.05°C or 0.05% between –80 to 290°C	7" stem, 0.13" diameter, 6' cable
6413		–100.00 to -200.00°C			1" stem, ¼" diameter, 10' PTFE cable

Accessories	
6422	Replacement Platinum RTD stainless-steel Probe
6423	Replacement Platinum RTD stainless-steel Bullet™ Probe
4099	Data Acquisition System (additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (additional information, see page 68)
4236	AC Adaptor
1523	AC Adaptor, International

Traceable® Digital Thermometer

The laboratory standard

- Triple purpose stainless-steel probe for liquids, air/gas, and semisolids
- Ideal for foods, pharmaceuticals, petroleum products, gas systems, soil, ovens, and more
- Unit reads in °C and °F and includes a HOLD key for freezing data on the display for future readings
- Instant HISTORY key recalls minimum and maximum readings over the past 24 hours
- Unit conforms to ITS-90 International Temperature Standard
- Supplied: battery, probe, cable, computer output, plastic carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Stainless-steel Probe
4000	–58.000 to 302.000°F (–50.000 to 150.000°C)	0.0001°	±0.05°C between 0.0 to 100°C	6" stem, 0.3" dia. x 9"; cable: 66"

Accessories				
4111	Replacement Probe: –50.000 to 150.000°C	—	±0.05°C between 0.0 to 100°C	6" stem, 0.3" dia. x 9"; cable: 66"
4112	Micro Probe: –50.000 to 150.000°C	—	±0.2°C	7 cm stem, 0.1cm dia. x 14cm; 152 cm cable
4099	Data Acquisition System (additional information, see page 68)			
7085	Universal Wireless Radio-Signal Transceivers (additional information, see page 68)			
4236	AC Adaptor			
1523	AC Adaptor, International			

4000/4111   4112

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Thermometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Platinum High-Accuracy Freezer Thermometer

NEW

Displays MIN/MAX temperatures for previous 24 hours (for each hour) and previous 7-days (for each day); or previous 31 days (for each day)

- Triple display shows current temperature in °F or °C, as well as the Min/Max temperatures
- Time/date stamp key shows exact time and date for all minimum and maximum readings
- Visual LED flashes and audible alarm sounds continuously even if temperature returns to non-alarm range
- Stainless-steel probe holder ideal for mounting probe anywhere in lab
- 6410 and 6411 are ideal for ultra-low freezer applications
- 6408 and 6409 are ideal for refrigerator/freezer applications
- Supplied: platinum probe, stand, wall mount, stainless-steel probe holder, batteries, Traceable® Certificate

Supplied
stainless-steel holder

6410

Platinum RTD stainless-steel probe

Cat. No.	Range	Resolution	Accuracy	Probe	Calibration points
6410	−148.00 to 199.99°F (−100.00 to 199.99°C)	0.01°	±0.1°C	Handle: platinum RTD stainless-steel; 0.13" dia. x 6.3" stem, x 9" overall	−80°C, 0°C, 100°C, 190°C

Refrigerator/Freezer

Cat. No.	Range	Resolution	Accuracy	Probe	Calibration points
6408	−50.00 to 70.00°C	0.01°	±0.1°C	Bottle designed for refrigerator/ freezer applications	−40, 0°C and 50°C
6409	−50.00 to 70.00°C	0.01°	±0.1°C	0.187" dia. x ¾" long	−40, 0°C and 50°C
6411	−100.00 to 70.00°C	0.01°	±0.1°C	0.187" dia. x ¾" long	−80°C and 0°C

6408   6409   6411

Traceable® RTD Platinum Thermometer

State-of-the-art aerospace technology delivers high platinum performance

- High-precision thermometer is geared specifically for measuring temperatures in soil, foods, ovens, cuvettes, gas systems, water baths, wastewater, incubators, chemical solutions, petroleum products, and extremely cold conditions
- Fail safe display shows low battery and probe condition
- Computer output allows thermometer to be connected to a computer or data logger for capturing and storing results
- One-key operation allows everyone in the lab to report identical readings and eliminates operator error techniques
- Platinum (100-ohm) 4-wire probe is triple-purpose for liquids, air/gas, semisolids
- Supplied: platinum RTD probe, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4132	−58 to 752°F (−50 to 400°C)	0.01° below 200°, 0.1° above 200°	±(0.1% +0.2°C) below 200°, ±(0.15% + 0.5°C) above 200°	6" probe, 0.13" dia, 40" cable length

Accessories

4136	Data Acquisition System (additional information, see page 68)
4325	Data Logger
7085	Universal Wireless Radio-Signal Transceivers (additional information, see page 68)
4133	Replacement Probe
4138	Easy-Use Adaptor (for international adapters see page 68)

Traceable® −100.0° Platinum Freezer Thermometer

Fast-response RTD platinum probe with thin micro cable supplies high-precision results

- Accurate −100.0°C platinum probe is triple purpose for liquids, air/gas, and frozen materials
- Ultra-slim micro-10-foot cable allows freezer doors to seal tightly around it
- Adjustable probe holder, magnets, Velcro® allow unit/probe to be used anywhere in lab/field
- Supplied: battery, probe, cable, probe holder, Velcro®, magnetic strips, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4230	−99 to 199.9°C	0.1°	±2°C	3" probe, 0.16" dia, 116" cable length

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Thermometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

NEW

4337

4338

Traceable® High-Accuracy Dual Thermometer

Dual-probe unit provides exact results for critical requirements, quality control, routine readings

- Two probes are useful for monitoring inlets and outlets, tracking two tests simultaneously or measuring temperatures in two locations
- Display shows current °F/°C and minimum/maximum temperatures
- Minimum/maximum monitors readings overnight, on weekends, or any time period; unit displays the exact time and date when the minimum and maximum temperature occurred
- Visual/audible alarms are programmable in 0.1° increments and provide alerts when temperature rises above/falls below high/low set points
- Supplied: batteries, flip-open stand, probe, cable, magnetic strips, Velcro®, wall mount, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4337	–58 to 158°F (–50 to 70°C)	0.01°	±0.3°C	1 stainless-steel probe, ⅛" diameter, 6¼" stem length, 60" cable
4338	–58 to 158°F (–50 to 70°C)	0.01°	±0.3°C	2 stainless-steel probes, ⅛" diameter, 6¼" stem length, 60" cable

NEW

25.00°

37.00°

Traceable® International Standards Extreme-Accuracy Thermometer

Lab partner delivers exact time/date when temps rise above/fall below set-points

- Two audible and two visual alarms warn when temperatures rise above/fall below set-points, unit displays the exact time and date when alarm was triggered
- Efficient alarms are programmable in 0.1° increments and sound continuously until disabled
- Remarkable, three-line display shows minimum/maximum, current temperatures
- Accurate readings with tip penetration of 1/3-inch, unit reads °C and °F
- Supplied: batteries, flip-open stand, Velcro®, magnet, wall mount, probe, cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4241	0.00° (–2.00 to 2.00°C)	0.01°	±0.05°C within ±2°C of standard	⅛" diameter, 6¼" stem length, 60" cable
4242	25.00° (23.00 to 27.00°C)	0.01°	±0.05°C within ±2°C of standard	⅛" diameter, 6¼" stem length, 60" cable
4243	37.00° (35.00 to 39.00°C)	0.01°	±0.05°C within ±2°C of standard	⅛" diameter, 6¼" stem length, 60" cable
4244	0.00°, 25.00°, 37.00°—all 3 above	0.01°	±0.05°C within ±2°C of standard	⅛" diameter, 6¼" stem length, 60" cable

Traceable® Kangaroo™ Thermometer

Pocket-size thermometer features handy cable storage and probe brackets for portability

- Precision memory feature automatically captures and recalls minimum/maximum temperature readings over any time period, °F/°C switchable
- Efficient alarm continues to sound every minute until temperature returns to non-alarm conditions
- Supplied: battery, probe, cable, flip-open stand, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4430	–58 to 572°F (–50 to 300°C)	0.1° from –19.9 to 199.9°C; or 1°C elsewhere	±1°C from –30 to 250°C; or ±2°C elsewhere	7½" length 0.14" diameter

TOP SELLER

Traceable® Alarm Thermometer/Alarm Timer

Stainless-steel probe and cable may be placed in an oven or incubator

- Display shows time, current temperature, and alarm temp setting, °F/°C switchable
- Metal cable may be placed in ovens and incubators making this unit ideal for those applications
- Unique, adjustable display and large digits allow for viewing from 9 feet at any angle
- Supplied: battery, probe, cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4147	32 to 392°F (0 to 200°C)	1°	±2°C	8½-inch length, ¼" diameter

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Thermometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Full-Scale Thermometer

Readings are updated every second and displayed on a ⅜" LCD

- Stainless-steel probe with piercing tip delivers constant temperatures at both ends of scale
- 4377 and 4368 models include high-low alarms, minimum/maximum memories and a hold feature
- Magnetic back attaches unit to any metal surface (incubators, freezers, water baths) for hands-free use
- Supplied: battery, probe, cable, flip-open stand, clip, magnetic back, Traceable® Certificate

4152/4252

4377/4368

Cat. No.	Range	Accuracy	Resolution
4152	–4 to 500°F (–20 to 250°C)	±1.0°C between –20 to 100°C	0.1° above –20 to 200°C; or 1°C elsewhere
4252	–4 to 500°F (–20 to 250°C)	±0.5°C at tested points	0.1° above –20 to 200°C; or 1°C elsewhere
4377	–4 to 572°F (–20 to 300°C)	±1.0°C between –20 to 100°C	0.1° above –20 to 200°C; or 1°C elsewhere
4368	–4 to 572°F (–20 to 300°C)	±0.5°C at tested points	0.1° above –20 to 200°C; or 1°C elsewhere

Traceable® Snap-in Module with Probe

Panel-mount, practical instrument snaps into place or can be used free-standing

- Valuable minimum/maximum memory records reading over any time period
- Easy-read digital display with jumbo digits updates every second to maintain exact test results
- Supplied: battery, probe, cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4376	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; or 1°C elsewhere	±1°C from –20 to 100°C	0.14 diameter, 120" cable 2¾" probe length including handle

Traceable® Mini-Thermometer

Simple three key thermometer is business-card sized for easy storing and handling

- Stainless-steel probe can be used to measure liquid, air/gas, or semi-solids
- Small but powerful unit fits easily into tool kits, briefcases or pockets
- Supplied: battery, probe, cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4146	–58.0 to 302.0°F (–50.0 to 150.0°C)	0.1°	±1.0°C	0.14" diameter, 7" length, 18" cable

Traceable® Digital Thermometer

Ideal for use in cuvettes, foods, soils, water baths, waste water, and incubators

- Countdown timer, programmable Hi/Lo alarms, MIN/MAX memory, °F/°C switchable
- High/low alarms may be programmed in 1° increments, alarm mode may be switched off when not required
- Unit features a countdown timer for 99 hours, 59 minutes to 1 minute and may be set in 1-minute intervals
- Supplied: battery, probe, cable, probe holder, flip-open stand, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4045	–58.0 to 500.8°F (–50.0 to 260.0°C)	0.1°	±1°C	0.14" diameter, 7¼" length, 36" cable

Traceable® Waterproof Thermometer

Waterproof case, cable, and stainless-steel probe monitors temperatures in any wet area

- Water/shockproof case provides flawless readings in freezers, water baths, incubators, tanks
- Stainless-steel probe efficiently monitors temperatures in liquids, semi-solids, air/gases
- One-key operation quickly recalls highest/lowest readings over any time period
- Supplied: battery, probe, cable, suction cups, magnet, Velcro® strips, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4039	–58 to 572°F (–50 to 300°C)	0.1° from –19.9 to 199.9°C; otherwise 1°C	±1°C between –20 and 100°C	0.14" diameter, 5" probe length, 120" cable
4339	–58 to 572°F (–50 to 300°C)	0.1° from –19.9 to 199.9°C; otherwise 1°C	±0.5°C at tested points	0.14" diameter, 5" probe length, 120" cable

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Traceable® Extra-Extra Long-Probe Waterproof Thermometer

NEW

Extra-long 20-inch probe created for deep vessels

- Thermometer is ideal for large beakers/flasks, vats, pails and drums
- Waterproof to a depth of 10 feet (meter/probe/cable)
- Jumbo $1^2/_3$" LCD can be read from up to 70 feet
- Supplied: stainless-steel probe, spring-loaded holder, wall mount, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
6406	14.0 to 230.0°F (−10.0 to 110.0°C)	0.1	±1°C	20" length x 0.2" dia. 10' waterproof cable, stainless-steel
Accessories				
7396	Stainless-steel spring-loaded holder			

Traceable® Memory/Waterproof Thermometer

Amazing super-memory multi-tasker captures, stores and recalls 10 temperature readings

- Broad temperature range and extra-high accuracy solve 99% of most lab/field data collecting needs
- Records minimum and maximum memory readings over any time period, °F/°C switchable
- Supplied: battery, probe, cable, probe holder, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4373	−58 to 572°F (−50 to 300°C)	0.1° from −20 to 200°C; or 1°C elsewhere	±1°C between −20 to 200°C	7½" length 0.19" dia.

Traceable® Long-Stem Thermometer

TOP SELLER

Ideal for replacing all glass and mercury thermometers in the lab

- On/off switch provides longer battery life, °F/°C switchable range
- Long stem allows for taking readings while stirring and is ideal for use in incubators and ovens
- Supplied: battery, Traceable® Certificate, protective sleeve

Cat. No.	Range	Resolution	Accuracy	Stem Length	Overall Length
4052	−58 to 302°F (−50 to 150°C)		±1°C	8 inches	11 inches
4352	−58 to 302°F (−50 to 150°C)	0.1° from −20 to 200° (1° otherwise)	±0.2°C at tested points	8 inches	11 inches
4353	−58 to 572°F (−50 to 300°C)		±1°C	11⅜-inches	14⅜-inches
4354	−58 to 572°F (−50 to 300°C)		±0.5°C at tested points	11⅜-inches	14⅜-inches

Traceable® Lollipop™ Shock/Waterproof Thermometer

TOP SELLER

Featherweight, wide-range lab partner covers 99% of routine temperature measurement needs

- Shock/waterproof unit delivers reading updates every second
- One-key operation recalls MIN/MAX temperature results, °F/°C switchable
- Supplied: battery, probe, probe cover with pocket clip, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4371	−58 to 572°F (−50 to 300°C)	0.1° from −20 to 200°C; or 1°C elsewhere	±1°C
4378	−58 to 572°F (−50 to 300°C)	0.1° from −20 to 200°C; or 1°C elsewhere	±0.4°C at tested points

Traceable® Digital Dial Thermometer

Readings updated every 10 seconds

- Wide temperature range combines range of over 90 different mercury thermometers making it an ideal lab partner
- Large, bright ⅜-inch-high LCD
- Stainless-steel stem dimensions: 4¾ x 0.19 inch diameter
- Supplied: protective case, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4042	−58 to 572°F (−50 to 300°C)	0.1°	±1°C
4044	−58 to 572°F (−50 to 300°C)	0.1°	±1°C

Cat. No.	Range	Resolution	Accuracy
4342	−58 to 572°F (−50 to 300°C)	0.1°	±0.4°C at tested points
4344	−58 to 572°F (−50 to 300°C)	0.1°	±0.4°C at tested points

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Traceable® Dishwasher/Metal Thermometer

Reports MIN/MAX temperatures achieved during dishwashing cycle

● Monitors temperatures for proper cleaning

● Waterproof and metal construction are ideal for food, wet labs, outdoors

● Supplied: clip for attaching to dishwasher rack, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Feature
4202	–58 to 302°F (–50 to 150°C)	0.1°	±1°C between –20 to 150°C	stainless-steel probe
4203	–58 to 302°F (–50 to 150°C)	0.1°	±1°C between –20 to 150°C	dishwasher clip

4203

4202

Traceable® Flip-Stick™ Thermometer

Multipurpose, fold-out design makes taking probe readings in any position a snap

● Stainless-steel, multi-angle probe folds out for easy positioning in difficult to reach vessels

● Fully extended, chemical-resistant probe lengthens unit to 11" (27.9cm)

● Unit includes MIN/MAX memory and HOLD key to freeze current display

● Supplied: probe, battery, wrist-strap, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4372	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; or 1°C elsewhere	±1°C
4272			±0.3°C at tested points

Traceable® Robo™ Thermometer

Innovative, 180° rotating display can be quickly positioned to deliver accurate readings from any angle

● Plastic and stainless-steel construction make this thermometer ideal for environments where safety is a concern

● 8-inch long stainless-steel probe is resistant to most lab chemicals

● Supplied: battery, probe case with clip, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4149	–58 to 536°F (–50 to 280°C)	0.1° from –20 to 200°C	±1.0°C
4349	–58 to 536°F (–50 to 280°C)	0.1° from –20 to 200°C	±0.4°C at tested points

Traceable® Jumbo-Display Dial Thermometer

Stainless-steel probe is perfect for viscous solutions

● Piercing tip makes it perfect for measuring temperatures of semisolids, °F/ °C switchable

● On/off switch provides longer battery life

● Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4049	–58 to 302°F (–50 to 150°C)	0.1°	±1.0°C	0.14". x 5¼"
4374	–58 to 302°F (–50 to 150°C)	0.1°	±0.3°C	0.14" dia. x 5¼"
4355	–58 to 302°F (–50 to 150°C)	0.1°	±1.0°C	½"dia. metal disk at end of probe for surface measurements

4049/4374

4355

Traceable® Pocket Thermometer

Unique, slim-line all-time-favorite thermometer

● Small, 1 oz. pocket thermometer

● Probe guard extends overall length to 10¾ inches

● Supplied: battery, probe case, pocket clip, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4050	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200° (1° otherwise)	±1.5°C
4350	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200° (1° otherwise)	±0.4°C at tested points

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Traceable® Key-Chain Thermometer

Use-anywhere pocket thermometer with wide-range capacity

- Fast, one-second response makes it ideal for measuring ambient air temperatures
- One-inch stainless steel probe is designed for penetration of semisolids and liquid measurements
- Supplied: battery, key-chain, clip, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4351	–58 to 302°F (–50 to 150°C)	0.1°	±1°C from –20 to 100C°

Traceable® Waterproof Food HACCP Thermometer

NEW

Infrared sensor

Versatile, no-touch infrared and piercing probe combo create perfect HACCP thermometer

- Designed specifically as a HAACP (Hazard Analysis and Critical Control Point) thermometer for food safety
- LED's indicate the HAACP zones: green light under 4°C (40°F), green light over 60°C (140°F) and red danger light between 4 to 60°C (40 to 140°F)
- Display shows current temperature, MIN/MAX temperature, low battery and emissivity value for infrared
- Waterproof case and unique membrane keys prevent splashes/spills from permeating unit
- Infrared emissivity: 0.95 default; adjustable from 0.1 to 1.0; field of view: 2.5:1
- Supplied: battery, probe, Velcro®, Traceable® Certificate

Cat. No.	Sensor	Range	Resolution	Accuracy
4364	Infrared	–67 to 482°F (–55 to 250°C)	0.5°F (0.2C°) between –10 and 200; 1° elsewhere	±0.6°C between –5 to 65°C
	Piercing, stainless-steel	–67 to 626°F (–55 to 330°C)		±0.5°C

Traceable® Waterproof Food Thermometer

NEW

Waterproof pocket partner is ready for every temperature task

- Specially designed membrane keys prevents splashes/spills from permeating thermometer
- One-key operation quickly displays MIN/MAX readings
- Piercing probe tip adds extra versatility to data collection requirements
- Supplied: battery, probe holder/guard, pocket clip, key-chain, lanyard, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4420	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°C; or 1°C elsewhere	±1.5°C
4421			±0.4°C at tested points

Traceable® Food/Waterproof/Piercing Thermometer

Piercing probe is ideal for use in labs, soil, foods, brewing and other applications

- Stainless-steel piercing tip easily evaluates internal temperatures of stored, frozen, or prepared foods
- Wide °F/°C range unit is a must-have for 99% of routine temperature measurements
- Stainless-steel probe is 0.19-inch diameter x 8 inches
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4370	–58 to 536°F (–50 to 280°C)	0.1° from –20 to 200°C; or 1°C elsewhere	±1.0°C
4369			±0.4°C at tested points

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Traceable® Excursion-Trac™ Datalogging Refrigerator/Freezer Thermometer

Datalogging thermometer with user-defined time intervals

- Meets current CDC requirements for vaccine storage and monitoring
- Rolling memory structure, maintains most recent 525,600 temperature observations
- Stores up to 10 unique alarm events
- Memory can be cleared on unit after downloading data to USB stick
- Hassle-free retrieval of data - unit can remain in use while downloading and analyzing data
- Status indicators - Low battery, memory full, USB data transfer and active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, Traceable® Certificate, batteries

Cat. No.	Range	Resolution	Accuracy	Probe
6430	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 1 bottle
6431	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 2 bottles
6432	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 1 Bullet™
6433	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 2 Bullets™
6434	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 1 bottle and 1 Bullet™
6435	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 1 stainless-steel
6436	–50 to 70°C	0.01°	±0.25°C	Excursion-Trac™ USB Therm, 2 stainless-steel
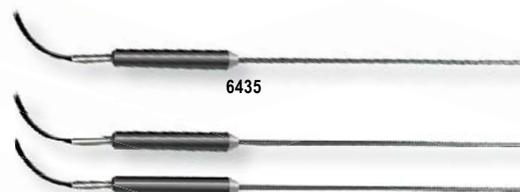
Traceable® Memory-Loc™ Datalogging Refrigerator/Freezer Thermometers

Datalogging thermometer that can used in 21 CFR 11 environments

- Meets current CDC requirements and additional recommendations for vaccine storage and monitoring
- Use in 21 CFR 11 environments, raw data is locked and may not be cleared/changed on base unit
- Data-logging thermometer with fixed one minute logging interval
- Stores up to 10 unique alarm events
- Capable of storing over 1 million temperature observations
- Hassle-free retrieval of data - unit can remain in use while downloading and analyzing data
- Status indicators - Low battery, low memory, USB data transfer and active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, Traceable® Certificate, batteries

Cat. No.	Range	Resolution	Accuracy	Probe
6440	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 1 bottle
6441	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 2 bottles
6442	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 1 Bullet™
6443	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 2 Bullets™
6444	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 1 bottle & 1 Bullet™
6445	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 1 stainless-steel
6446	–50 to 70°C	0.01°	±0.25°C	Memory-Loc™ USB Therm, 2 stainless-steel
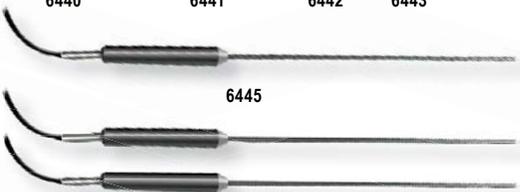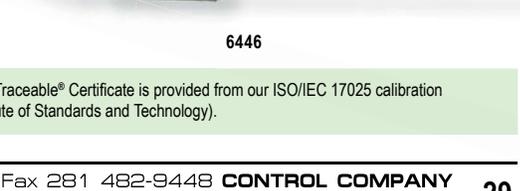
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NEW

Traceable® Memory-Card Refrigerator/Freezer Thermometer

Thermometer captures 5.9 million readings on removable SD card

- User-defined temperature observations can be made once per minute up to once every 720 minutes
- Unit meets all current CDC requirements and recommendations for vaccine monitoring and storage
- USB memory card reader plugs directly into Windows and Mac—no software to install
- Text report includes date/time of day and sensor readings
- 6400 model is ideal for monitoring refrigerators and freezers
- 6401 model is ideal for QC and research
- Alarm sounds and LED flashes when temperature rises above or falls below user-set trip points
- Unique 4-line display shows temperature of detachable bottle probe, ambient temperature, humidity and time, °F/°C switchable
- Supplied: 256 mb SD memory card, memory card reader, batteries, magnetic strips, Velcro®, flip open stand, adaptor, Traceable® Certificate

6400   **6401**

Cat. No.	Probe Range	Resolution	Accuracy	Probe
6400	–22 to 158°F (–30 to 70°C)	0.1°	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C ±1.2°C from –30°C to 0°C and 50 to 70°C	Bottle (patented)
6401	–22 to 158°F (–30 to 70°C)	0.1°	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C ±1.2°C from –30°C to 0°C and 50 to 70°C	Stainless-steel
Accessories				
7404	SD Memory Card 256 MB			

NEW

Traceable® Platinum High-Accuracy Freezer Thermometer

Displays MIN/MAX temperatures for previous 24 hours (for each hour) and previous 7-days (for each day); or previous 31 days (for each day)

- Triple display shows current temperature in °F or °C, as well as Min/Max temperatures
- Time/date stamp key shows exact time and date for all minimum and maximum readings
- Visual LED flashes and audible alarm sounds continuously even if temperature returns to non-alarm range
- Stainless-steel probe holder ideal for mounting probe anywhere in lab
- 6410 and 6411 are ideal for ultra-low freezer applications
- 6408 and 6409 are ideal for refrigerator/freezer applications
- Supplied: platinum probe, stand, wall mount, stainless-steel probe holder, batteries, Traceable® Certificate

Supplied stainless-steel holder

6408   6409   6411   6410

Platinum RTD stainless-steel probe

Cat. No.	Range	Resolution	Accuracy	Probe	Calibration points
6410	–148.00 to 199.99°F (–100.00 to 199.99°C)	0.01°	±0.1°C	Handle: 0.13" dia. x 6.3" stem, 9" overall	–80°C and 0°C
Refrigerator/Freezer					
6408	–58.00 to 158.00°F (–50.00 to 70.00°C)	0.01°	±0.1°C	Bottle designed for refrigerator/ freezer applications	–40, 0°C and 50°C
6409	–58.00 to 158.00°F (–50.00 to 70.00°C)	0.01°	±0.1°C	0.187" dia. x ¾" long	–40, 0°C and 50°C
6411	–148.00 to 158.00°F (–100.00 to 70.00°C)	0.01°	±0.1°C	0.187" dia. x ¾" long	–80°C, 0°C, 100°C, 190°C

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Traceable® Wireless Radio-Signal Refrigerator Thermometer

NEW

Captures temperature data with high-efficiency wireless technology

- Unit wirelessly reads refrigerator temperatures from 100 feet away, place remote module inside a refrigerator

- Minimum/maximum memory allows monitoring conditions over any time period, °F/°C switchable

- Distinctive alarm sounds when temperature rises above or falls below set points

- Indicator on main unit shows rising/falling temperature trends

- Readings from up to three remote sensors are sent to main unit via radio signal-433 MHz penetrates refrigerators and walls

- Supplied: batteries, one main unit, one remote unit, flip-open stand, wall mount, Velcro®, Traceable® Certificate

6424

6425

Cat. No.	Range	Resolution	Accuracy	Probe
6424	22.0 to 158.0°F (–30.0 to 70.0°C)	0.1°	±1.0°C	Bottle designed for refrigerator/freezer applications (patented)
6425	22.0 to 158.0°F (–30.0 to 70.0°C)	0.1°	±1.0°C	Additional Bottle Remote module (set to channel 1, 2, or 3)

Temperature-buffered glycol bottle probe mimics solution

Bottle and solution insulate sensor from rapid changes, as an example, when a refrigerator door is opened. Solution mimics exact temperature of samples.

TOP SELLER

Traceable® Refrigerator/Freezer Thermometer

The world's most popular refrigerator/freezer thermometer

- Triple display simultaneously shows Min/max and current temperatures, °F/°C switchable

- Accurately monitor temperatures in freezers, water baths, heating blocks, incubators, and refrigerators with this enclosed temperature-buffered sensor

- Bottle insulates sensor from rapid temperature changes when refrigerator door is opened

- Minimum/maximum monitors high and low readings overnight, on weekends, or for any time period

- Alarm is programmable in 1° increments, sounds continuously when temperature rises above/falls below set points and can be turned off manually

- Visual and audible signals continue even if temperature returns to non-alarm range

- High-impact, chemical-resistant ABS plastic case: 2¾ x 4¼ x ¾ inches, weight: 4 ounces

- Supplied: flip-open stand, 10-foot micro cable, wall mounting, Velcro®, magnetic strips, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4048	–58 to 158°F (–50 to 70°C)	1°	±1°C	0.187-inch diameter and ¾-inch long
4127	–58 to 158°F (–50 to 70°C)	1°	±1°C	Bottle designed for refrigerator/freezer applications (patented)
4527	–58 to 158°F (–50 to 70°C)	1°	±1°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray

4048   **4127**   **4527**

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TOP SELLER

Traceable® High-Accuracy Refrigerator Thermometer

High accuracy thermometer can monitor two different areas of any refrigerator or freezer

- Reads to 0.01° while monitoring temperatures in refrigerator and freezer simultaneously or two refrigerator locations, °F/°C switchable
- Triple display shows minimum, maximum and current temperatures
- Two channel alarms provide unique visual (LED's) and audio alerts when temperature rises above or falls below user-defined high and low set points
- Unit displays the exact time and date when dual thermometer alarms are triggered, alarms are programmable in 0.1 increments
- Monitors minimum and maximum readings and displays the exact time and date when minimum and maximum temperatures occurred for both probes
- Supplied: battery, sensors, 10-foot cable, magnetic strips, Velcro®, bench stand, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4238	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	1 bottle (patented)
4239	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	2 bottle (patented)
4240	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	2 (chemical-resistant, waterproof sensor 0.187-inch diameter and ¾-inch long)
4538	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	1 vaccine bottle (patented)
4539	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	2 vaccine bottles (patented)

4238   4239   4240   4538

Traceable® Jumbo Refrigerator/Freezer Thermometer

Jumbo LCD simultaneously shows MIN/MAX/current temperature

- All-time favorite modular thermometer is easy to mount or position on any flat surface
- Valuable MIN/MAX memory records reading over any time period, °F/°C switchable
- Easy-read digital display with jumbo digits updates every 10 seconds to maintain exact test results
- Supplied: battery, magnet, stand, probe, 10-foot cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4148	–58 to 158°F (–50 to 70°C)	0.1°	±1°C	0.187-inch diameter and ¾-inch long
4548	–58 to 158°F (–50 to 70°C)	0.1°	±1°C	Bottle specifically for refrigerator/freezer applications (patented)
4648	–58 to 158°F (–50 to 70°C)	0.1°	±1°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray.

4148   4548   4648

Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer

Sealed unit can be placed inside a refrigerator

- MIN/MAX memory monitors high and low readings overnight, on weekends, or for any time period — a significant advantage over glass thermometers displaying only current temperature
- The entire unit, including the bottle and display, may be placed in any environment within the operating range of the thermometer
- MIN/MAX memory, °F/°C switchable
- Supplied: battery, holder, double-backed tape, Velcro®, Traceable® Certificate

NEW

Cat. No.	Range	Resolution	Accuracy	Probe
4426	–22 to 122°F (–30 to 50°C)	0.1°	±1.0°C between –20.0 to 85°C	Glycol-filled bottle (patented)
4427	–22 to 122°F (–30 to 50°C)	0.1°	±0.4°C at tested points	Glycol-filled bottle (patented)
4428	–22 to 122°F (–30 to 50°C)	0.1°	±1.0°C between –20.0 to 85°C	Glass-bead filled bottle
4429	–22 to 122°F (–30 to 50°C)	0.1°	±0.4°C at tested points	Glass-bead filled bottle

4426

Traceable® Dual Thermometer

NEW

Dual-probe thermometer gives accurate readings of two separate areas in refrigerators/freezers

- Two-part display shows °F or °C probe temperatures in distinct sections of refrigerator or freezer
- Easy-operate, always-ready unit quickly recalls exact date and time when MIN/MAX temperatures occur
- Audible and visual alarm feature provides alert when temperature rises above or falls below two set points, alarm is programmable in 1 degree increments
- Supplied: battery, flip-open stand, probes, 3½-foot cable, magnetic strips, Velcro® tape, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4307	–58 to 158°F (–50 to 70°C)	0.1°	±1.0°C	¼-inch-diameter x 1¼ inch length, waterproof probes (2 each)
4306	–58 to 158°F (–50 to 70°C)	0.1°	±1.0°C	Bottle specifically for refrigerator/freezer applications (patented) (2 each)

4307   4306

Traceable® Refrigerator/Freezer Plus™ Thermometer

Temperature-buffered bottle insulates sensor from rapid temperature changes

- Triple display simultaneously shows MIN/MAX and current temperatures, °F/°C switchable
- Monitors high and low readings overnight, on weekends, or for any time period - a significant advantage over current read-only temperatures
- Alarm is programmable in 1° increments and alerts user when temperature rises above or falls below a set point
- Supplied: battery, Velcro®, magnetic strips, 10-foot cable, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4727	–58 to 158°F (–50 to 70°C)	0.1°	±0.5°C (±0.9°F)	0.187-inch diameter and ¾-inch long
4227	–58 to 158°F (–50 to 70°C)	0.1°	±0.5°C (±0.9°F)	Bottle specifically for refrigerator/freezer applications
4627	–58 to 158°F (–50 to 70°C)	0.1°	±0.5°C (±0.9°F)	5ml vaccine bottle mimics vaccine temperature and fits in tray

4727   4227   4627

Sealed probe with non-toxic glycol

Mercury-free, solid-state probe eliminates possibility of refrigerator contamination. Probe is sealed in a miniature bottle (1 x 2½ inches) filled with nontoxic glycol. Solution is GRAS (generally recognized as safe) by the FDA (Food and Drug Administration).

Traceable® Sentry™ Thermometer °F/°C

Simple one-key reset operation resets MIN/MAX memories

- Constantly monitor high, low and current temperatures
- Sensor and 10-foot cable may be placed underwater, in refrigerator, or freezer
- Unplugging the cable activates a sensor inside the unit for monitoring ambient temperature
- Supplied: battery, probe, 10-foot cable, wall mount, magnet, stand, Velcro®, Traceable ® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4120	–58 to 158°F	1°	±1°C	0.187-inch dia. x ¾-inch
4121	–50 to 70°C	1°	±1°C	0.187-inch dia. x ¾-inch
4322	–58 to 158°F	1°	±1°C	Bottle specifically for refrigerator/freezer applications (patented)
4321	–50 to 70°C	1°	±1°C	Bottle specifically for refrigerator/freezer applications (patented)
4522	–58 to 158°F	1°	±1°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray.
4521	–50 to 70°C	1°	±1°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray.

4120/4121   4322/4321   4522/4521

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Traceable® Radio-Signal Remote Thermometer

Monitor up to 3 different remotes at same time from up to 100 feet away

- Main unit can receive and display data from up to three different remote modules, modules may be set to channel 1, 2 or 3
- Displays trend indicator shows whether temperature is rising or falling
- MIN/MAX memory allows monitoring conditions over short or long periods
- Alarm sounds when temperature rises above/alls below two set points, may be programmed in 1° increments
- External sensor and 10-foot cable perform accurately even when both are underwater, °F/°C
- Supplied: battery, remote module, probe, cable, flip-open stand, wall-mount, Traceable® Certificate

4115

4116   4118   4618   4117

Cat. No.	Indoor Range	Outdoor Range	Resolution	Accuracy	Probe
4115	–20 to 60°C	–5 to 50°C	0.1°	±1°C	Internal ambient and 0.187-inch diameter and ¾-inch long
4116	–20 to 60°C	–5 to 50°C	0.1°	±1°C	0.187-inch diameter and ¾-inch long
4117	–20 to 60°C	–5 to 50°C	0.1°	±1°C	Stainless-steel ⅛-inch dia. 8½ inch, 5-foot cable
4118	–20 to 60°C	–5 to 50°C	0.1°	±1°C	Bottle specifically for refrigerator/freezer applications (patented)
4618	–20 to 60°C	–5 to 50°C	0.1°	±1°C	Small 5ml round vaccine bottle

Traceable® Thermometer with Time/Date Max/Min Memory

Unique, wide-range, triple-display thermometer offers amazing versatility and accuracy

- Thermometer displays current, MIN and MAX temperatures, °F/°C switchable
- Unit captures time and date when the MIN/MAX temperatures occurred
- Displays ⅜" high digits show the MIN/MAX of ambient or probe temperature, time and month/day
- Sensor and 6-foot cable perform accurately even when both are underwater
- Supplied: battery, probe, 6-foot cable, wall mount, flip-open stand, Velcro®, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4105	–40.0 to 176.0°F (–40.0 to 80.0°C)	0.1°	±1.5°C	0.187-inch diameter and ¾-inch long
4305	–40.0 to 176.0°F (–40.0 to 80.0°C)	0.1°	±1.5°C	Bottle specifically for refrigerator/freezer applications (patented)
4605	–40.0 to 176.0°F (–40.0 to 80.0°C)	0.1°	±1.5°C	5ml vaccine bottle. Bottle mimics vaccine temperature and fits in tray.

4105   4305   4605

Traceable® Econo Refrigerator Thermometer

Low-cost mini-size temperature sensor is always on-duty in refrigerator

- Economical refrigerator monitor has wide temperature range and is easy to switch from °F to °C
- Ideal unit for use in storerooms, labs, offices, hoods, cabinets
- Remarkable, clear-view display updates every 30 seconds
- Supplied: battery, suction cup, Velcro®, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4157	32 to 113ºF (0 to 45ºC)	0.1°	±1ºC
4158	32 to 113ºF (0 to 45ºC)	0.1°	±0.5ºC at tested points

NEW

Traceable® Big-Digit Refrigerator Thermometer

Wide-range, rapid updates, and big digits help monitor temperatures anywhere

- Supplied mounting options are useful in all environments; °F/°C switchable
- Easy-read, ⅞" high big-digit display updates every 30 seconds
- Supplied: battery, suction cup, Velcro®, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4210	32 to 113°F (0 to 45°C)	0.1°	±1°C between 0 and 25°C and ±1.5ºC outside range
4211	32 to 113°F (0 to 45°C)	0.1°	±0.5ºC at tested points

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Traceable® Big-Digit Memory Thermometer

View ambient and probe temperatures from 25 feet

- Dual display permits reading ambient and probe temperatures simultaneously, °F/°C switchable
- MIN/MAX memory readings may be displayed and reset at the touch of a key
- Cable and sensor perform accurately when underwater, always-on instrument reads temperature constantly
- Supplied: flip-open stand, wall mounting,10-foot cable, Velcro®, Traceable® Certificate, battery

Cat. No.	External probe range	Ambient sensor range	Resolution	Accuracy
4126	–58.0 to 158.0°F (–50.0 to 70.0°C)	23.0 to 122.0°F (–5.0 to 50.0°C)	0.1°	±1°C

Traceable® Monitoring Thermometer

Monitoring thermometer with probe and 10-foot submersible cable

- Perfect thermometer for monitoring reagents or solutions in tanks, water baths, incubators
- Unit displays ambient temperature and probe temperature at the touch of a button, °F/°C switchable
- Display updates every 10 seconds, thus eliminating 3-minute lag inherent in glass and dial thermometers
- Supplied: flip-open stand, probe bracket,10-foot cable, Velcro®,Traceable® Certificate, battery

Cat. No.	Range	Resolution	Accuracy	Probe
4047	–58.0 to 158.0°F (–50.0 to 70.0°C)	0.1°C	±1°C	0.187 inch x 0.8 inches, waterproof

Traceable® Big-Digit 4-Alert Alarm Thermometer

Flashing LED indicator and four different alarm configurations for multi-use operation

- Thermometer has 4 unique alarms configurations: alarm triggers when temperature is higher than set point, lower than set point, outside of high or low set points or inside higher and low set points allowing precise monitoring of any experiment
- Green/red lights blink and alarm sounds when out-of-range condition is detected
- Continuous alarm sounds every minute for 5 seconds until the temperature returns to non-alarm condition or alarm is turned off
- Large digits are readable from 10 feet
- Supplied: removable suction cup, stand, self-adhesive wall mount, 3½ feet cable, Traceable® Certificate, battery

Cat. No.	Range	Resolution	Accuracy	Probe
4142	–50.0 to 70.0°C	0.1°	±1°C	0.187 inch x 0.8 inches, waterproof, 3-foot cable
4143	–58.0 to 158.0°F	0.1°	±1°C	0.187 inch x 0.8 inches, waterproof, 3-foot cable

Traceable® Solar-Powered Thermometer

Solar-powered thermometer with a back-up battery

- Efficient and cost-saving solar panels make unit environmentally attractive
- Sensor and cable perform accurately even under water, °F/°C switchable
- Supplied: back-up battery, mounting screw, 10-foot cable, Velcro®, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Sensor
4123	–58.0 to 158.0°F (–50.0 to 70.0°C)	0.1°C	±1°C	external cable/probe: 0.187 inch x 0.8 inches, waterproof
4122	32.0 to 122.0°F (0.0 to 50.0°C)	0.1°C	±1°C	internal ambient

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TOP SELLER

Traceable® Thermometer/Clock/Humidity Monitor

Simultaneously displays time of day, temperature, and humidity

- Features: Min/Max memory, memory clear, °F/°C switchable, 12/24-hour clock
- At the touch of a button, memory recalls the highest and lowest temperature and humidity readings
- Internal sensors make it ideal for use in hoods, storerooms, cleanrooms, incubators, drying chambers and environmental cabinets
- Supplied: stand, wall mount, double-back tape, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Size/Weight
4040	Time: 12/24 hour clock	1 minute	0.01%	4¼ x 2¼ x ½ inch, 2½ ounces
	Temp: 0.0 to 50.0°C	0.1°	±1°C	
	Humidity: 20 to 90% RH	1%	±5% RH midrange otherwise ±8% RH	

Traceable® Big-Digit See-Thru™ Thermometer

Jumbo, see-thru display automatically clears and updates MIN/MAX readings daily

- Smart design feature routinely resets MIN/MAX every day
- Perfect for use in fume hoods, refrigerators, plant areas
- Can be easily attached to outside of window to show outdoor temperatures
- Supplied: battery, mounting tape, Velcro® strip, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4159	−13 to 158°F	0.1°	±1°C
4160	−25 to 70°C	0.1°	±1°C

Thermometer with Type-K Probe Specifications Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Unit Range	Supplied Probe Range	Resolution	Accuracy (°C)	Probe	Cable	Battery	Display Min/Max	No. of Probes
4003	35	Yes	−328 to 2372°F (−200 to 1300°C)	−40 to 250°C continuous or 300°C short-term use	0.1° / 1°	±0.3% + 1°C	0.12	48	1112	yes	1
4004	38	Yes	−58 to 2000°F (−50 to 1300°C)	−40 to 250°C continuous or 300°C short-term use	0.1° / 1°	±0.3% + 1°C	0.12	48	1112	max only	1
4007	37	Yes	−328 to 2498°F (−200 to 1370°C)	−50 to 700°C	0.1°	±1.0	6.25	40	1112	yes	1
4015	37	Yes	−328 to 2498°F (−200 to 1370°C)	−40 to 250°C continuous or 300°C short-term use	0.1° / 1°	±1.0	0.12	48	1105	yes	1
4025	40	Yes	−40 to 2000°F	−40 to 250°C continuous or 300°C short-term use	1°	±(1 + 1%)	0.12	48	1112	no	2
4026	40	Yes	−40 to 1200°C	−40 to 250°C continuous or 300°C short-term use	1°	±(1 + 1%)	0.12	48	1112	no	2
4029	39	Yes	−50 to 1999°F (−50 to 1230°C)	−40 to 250°C continuous or 300°C short-term use	0.1°	±0.3% + 1°C	0.12	48	1112	no	2
4100	40	Yes	−328 to 2431°F (−200 to 1333°C)	−40 to 250°C continuous or 300°C short-term use	0.1°	±1.0	0.12	48	1112	no	2
4134	39	Yes	−50 to 1999°F (−50 to 1300°C)	−40 to 250°C continuous or 300°C short-term use	1°	±0.3% + 1°C	0.12	36	1112	max only	1
4135	39	Yes	−58 to 1999°F (−50 to 1300°C)	−40 to 250°C continuous or 300°C short-term use	1°	±0.3% + 1°C	0.12	120 (2)	1112	max only	2
4137	40	Yes	−50 to 1999°F (−50 to 1230°C)	−40 to 250°C continuous or 300°C short-term use	0.1°	±(1 + 0.75%)	0.12	48 (2)	1112	yes	2
4230	23	Yes	−99 to 199.9°C		0.1°	±2	5	120	1112	no	1
4232	39	Yes	−58 to 1382°F (−50 to 750°C)	−40 to 250°C continuous or 300°C short-term use	1°	±(1 + 0.75%)	0.12	48	1112	no	1
4425	38	Yes	−58.0 to 2372°F (−50.0 to 1300°C)	−45 to 230°C	0.1°	±(1 + 0.75%)	5	40	1112	no	1

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Traceable® Total-Range Thermometer

TOP SELLER

Water-resistant design is perfect for use in lab or plant's worst environment

- Unit can recall minimum and maximum temperature readings captured during any time; updates display twice a second
- HI/LO Alarm: indicates when temperature rises above or falls below high/low set points, 1° increments
- °F/°C switchable
- Timer feature displays duration of temperature conditions and time tests; capacity: 23 hours 59 minutes to 1 minute; resolution: 1 second
- Probe range (supplied with unit) –40 to 250°C continuous or 300°C short-term; accepts all Type-K thermocouples
- Supplied: flip-out stand, PVC casing, 4-foot Type-K beaded probe, batteries, Traceable® Certificate,

Cat. No.	Meter Range	Resolution	Accuracy
4015	–328 to 2498°F (–200 to 1370°C)	0.1° and 1°	±1°C between –50°C to 740°C, otherwise ±2°C

For additional Type-K probes, see page 41.

Traceable® Memory Wide-Range Thermometer

High accuracy, wide range Type-K thermometer

- Triple purpose probe may be used to measure temperature of liquids, gases and semi-solids
- Computer output allows thermometer to be connected to a computer or data logger for capturing and storing readings
- Count-up timer provides a relative time measurement while taking temperatures and recording MIN/MAX readings
- °F/°C switchable
- Probe range (supplied with unit) –50 to 700°C, 6¼" stem, 0.13" dia, 40" cable; meter accepts any Type-J, K or T probe
- Supplied: 40" stainless-steel Type-K thermocouple probe, battery, Traceable® Certificate

Cat. No.	Meter Range	Resolution	Accuracy
4007	–328 to 2498°F (–200 to 1370°C)	0.1 from –200 to 640°C (–328 to 990°F) otherwise 1°	±1°C

Accessories

Cat. No.	Description
4237	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)

For additional Type-K probes, see page 41.

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Traceable® Big-Digit Type-K Thermometer

Big digits are readable from 15 feet away

- Intuitive, four-key operation makes this thermometer extremely easy to use
- Max HOLD feature permits capturing the highest temperature achieved over any time period
- Probe range (supplied with unit) –40 to 250°C continuous 300°C short-term; accepts all Type-K thermocouples
- Supplied: carrying case, 4-foot Type-K beaded probe, battery,Traceable® Certificate,

Cat. No.	Meter Range	Resolution	Accuracy
4004	–58 to 2000°F (–50 to 1300°C)	0.1° and 1°	±0.3% of reading + 1°C between –50°C to 1000°C, otherwise 0.5% of reading + 1°C

For additional Type-K probes, see page 41.

Traceable® Workhorse™ Thermometer

Type-K workhorse with wide temperature range has new chip design for ultra-low cost

- Recessed adjustable offset offers increased accuracy by allowing user to set thermometer to specific temperatures, in-house calibrations, or a particular sensor
- HOLD function freezes display for easy recording of current temperature
- Probe range (supplied with unit) -45 to 230°C; 3¼" stem, 0.2" stem dia, 30" cable; accepts all Type K probes
- Supplied: stand, case, 30" stainless-steel Type-K probe, battery, Traceable® Certificate

Cat No	Meter Range	Accuracy	Resolution
4425	–58 to 2372°F (–50 to 1300°C)	See below	0.1° from –50 to 200°; 1° elsewhere
	0 to 500°C	±(1°C + 0.75%)	
	500 to 750°C	±(1°C + 1%)	
	750 to 1000°C	±(1°C + 2%)	
	1000 to 1200°C	±(3°C + 4%)	
	–20°C	±2°C	
	–40°C	±3°C	
	–50°C	±4°C	

For additional Type-K probes, see page 41.

Traceable® Waterproof Type-K Thermometer

Rubber boot covers thermocouple to maintain waterproof integrity with thermocouple attached

- MIN/MAX key rapidly recalls highest and lowest temperature reading achieved
- Unique differential feature shows the difference in temperature from a set point
- Back-lighting key (BKLT) allows for reading in dark areas, large-digit display is readable from 10 feet away
- Probe range (supplied with unit): –40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Supplied: carrying case, Traceable® Certificate, battery, Type-K beaded probe, cable

Cat. No.	Meter Range	Resolution	Accuracy
4003	–328 to 2372°F (–200 to 1300°C)	0.1° and 1°	±0.3% of reading + 1°C between –200°C to 1000°C, otherwise 0.5% of reading + 1°C

For additional Type-K probes, see page 41.

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Traceable® Digital Thermometer with Recorder Output

Use with any chart recorder or computer that can accept millivolt signals

- Unit can recall the maximum temperature achieved at the touch of a button
- HOLD key freezes display to capture current reading, °F/°C switchable
- Probe range (supplied with unit): –40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Supplied: Type-K beaded probe, 4-foot cable, battery, recorder output jack, Traceable® Certificate

Cat. No.	Meter Range	Resolution	Accuracy
4134	–50 to 1999°F (–50 to 1300°C)	0.1° from –50.0 to 199.9° and is 1° for all other readings	±0.3% of reading plus 1°C

For additional Type-K probes, see page 41.

Traceable® Pocket-Size™ Thermometer

New microchip design combines ultra-low cost with ultra-high precision

- Mini-size and shockproof construction increases convenience and reliability
- One-switch operation makes it the perfect thermometer for routine use, °F/°C switchable
- Probe range (supplied with unit): –40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Supplied: nylon carrying case, 4-foot Type-K beaded probe, battery, Traceable® Certificate

Cat. No.	Meter Range	Resolution	Accuracy
4232	–58 to 1382°F (–50 to 750°C)	1°	±(1°C + 0.75%) from 0 to 500°C; ±(1°C +1%) from 500 to 750°C ; –20° ±2°C; –40° ±4°C; –50° ±5°C

For additional Type-K probes, see page 41.

Traceable® Dual-Channel Thermometer

Amazing data keeper records two probe readings and difference between them

- Dual display simultaneously shows one of two options: temperature of 2 probes or temperature of one probe and difference between probes
- Two-probe capability shows important temperature changes for 99% of all lab/field requirements, °F/°C switchable
- Probe range (supplied with unit): –40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Computer output allows thermometer to be connected to the computer or data logger for capturing/storing data
- Supplied: two 4-foot Type-K beaded probes, battery, Traceable® Certificate

Cat. No.	Meter Range	Resolution	Accuracy
4029	–50 to 1999°F (–50 to 1230°C)	0.1° under 200°C and 1° above 200°C	0.3% + 1°C

For additional Type-K probes, see page 41.

Traceable® 2-Channel Thermometer

View independent probe temperatures or the difference between the probes

- Provides recessed front panel adjustable offsets on two channels allows the end to adjust thermometer to a specific temperature, in-house calibration, or particular sensor for increased accuracy, °F/°C switchable
- Rubberized case makes it a virtually environment-proof instrument for all weather, shock and abusive conditions
- Probe range (supplied with unit): –40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Supplied: Velcro®, strap, stand, two 4-foot Type-K beaded probes, battery, Traceable® certificate.

User Adjustable Calibration Offsets

Cat. No.	Meter Range	Resolution	Accuracy	Probe supplied
4135	–58 to 1999°F (–50 to 1300°C)	switchable 0.1° or 1°	±0.3% plus 1°C	Type-K beaded: –40 to 250°C
4635	–58 to 1999°F (–50 to 1300°C)	switchable 0.1° or 1°	±0.3% plus 1°C	Stainless-steel: –50 to 700°C

For additional Type-K probes, see page 41.

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Traceable® Double Thermometer

Computer output allows thermometer to be connected to computer/data logger to capture and store data

- Monitors temperatures using 2 different probes/sensors making it easy to note temperature variations in an incubator/oven or temperature graduations in a bath water, °F/°C switchable
- Probe range (supplied with unit): −40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples
- Supplied: computer output, fast-response probes (2), 48-inch cables, battery, Traceable® Certificate

Cat. No.	Unit Range	Resolution	Accuracy
4137	−50 to 1999°F (−50 to 1230°C)	0.1° (from −50.0 to 199.9°F) and 1°C/°F over entire range	±(0.75% + 1°C).

Accessories

Cat. No.	Description
4136	Data Acquisition System (for additional information see page 68)
4325	Data Logger (complete description on page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)

For additional Type-K probes, see page 41.

Traceable® Expanded-Range Thermometer °F/°C

Compact, pocket-size thermometer goes anywhere fast-response readings are needed

- Shockproof, mini-size thermometer is ideal lab assistant for all plant and field applications
- Probe range (supplied with unit): −40 to 250°C continuous or 300°C short-term; uses all Type-K thermocouples; dual probes allow two tests to be monitored simultaneously
- One-switch operation makes it the perfect thermometer for routine use, °F/°C switchable
- Supplied: two 4 foot Type-K beaded probes, battery, Traceable® Certificate

Cat. No.	Unit Range	Resolution	Accuracy
4025	−40 to 2000°F	1°	±(1°C +1%) from 0 to 750°C
4026	−40 to 1200°C	1°	±(1°C +1%) from 0 to 750°C

For additional Type-K probes, see page 41.

Traceable® Printing Thermometer

Built-in printer provides permanent record with time-and-date stamp

- Prints time and date for Max only, Min only, average only, and in circularly mode T1, T2 and differential, printing programs in intervals of 3 secs to 23h 59m 59s
- MIN,MAX or average temperature readings may be displayed or cleared at any time with the touch of a key
- Alarm feature may be set in 0.1 increments and will sound when temperature rises above or falls below set point
- Dual probe inputs allow displaying temperature of probe 1, probe 2, or difference (delta) of probe 1 and 2 (accepts Type J, K, T, or E probe), °F/°C switchable
- Supplied: two 4-foot Type-K beaded probes, Traceable® Certificate, batteries, two thermal paper rolls (good for approximately 1400 printings per roll), ABS carrying case.

Cat. No.	Range	Resolution	Accuracy
4100	−328 to 2431°F (−200 to 1333°C)	0.1°	±1°C

Accessories

Cat. No.	
8182	Replacement Printing Paper (pack of 2 rolls)
8183	Adaptor (for AC operation)

For additional Type-K probes, see page 41.

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Type-K Beaded Probe

Beaded probe with PTFE coated cable can withstand wide temperature ranges

- Fast-response probe measures temperatures in semisolids, liquids, air/gases
- High-precision thermocouple has efficient 48" PTFE coated cable

Cat. No.	Probe Range	Probe Diameter	Cable Length
4028	–40 to 250°C continuous or 300°C short-term	0.06" (0.15cm)	48" (121.9cm)

Stainless-steel Type-K Probe

Handle probe makes temperature measurement easy

- Probe provides fast, accurate readings of air/gases, semi-solids, liquids
- Stainless-steel probe with an ABS plastic handle

Cat. No.	Probe Range	Overall Length	Probe Diameter	Probe Length	Cable Length
4014	–50 to 700°C	7½" (19.0cm)	0.13" (0.3cm)	5" (12.7cm)	40" (101.6cm)
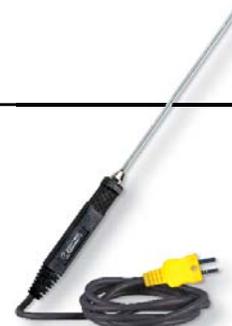
Low Temperature Type-K Probe

Can be used in temperatures as low as –240°C

- Probe provides fast, accurate readings of air/gases, semi-solids, and liquids
- Stainless-steel probe with ABS plastic handle

Cat. No.	Probe Range	Overall Length	Probe Diameter	Probe Length	Cable Length
8039	–240 to 220°C	17" (43.18cm)	0.17" (0.4318cm)	12" (30.48cm)	96" (243.84cm)
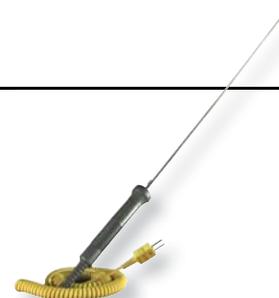
High Temperature Type-K Beaded Probe

Can be used in temperatures as high as 1093°C

- Beaded probe provides fast, accurate readings of air/gases, semi-solids, and liquids
- Stainless-steel probe attached to braided metal wire cable

Cat. No.	Probe Range	Cable Length	Cable Diameter
8613	–73 to 982°C continuous or 1093°C short-term use	120" (304.8cm)	0.19" (0.4826cm)

Type-K Surface Probe

Designed to take surface temperatures

- Probe provides fast, accurate readings of air/gases, semi-solids, and liquids
- Stainless-steel probe with ABS handle

Cat. No.	Probe Range	Overall Length	Probe Diameter	Probe Length	Cable Length
4008	–73 to 760°C	8.5"(21.59cm)	0.5" (1.27cm)	5" (12.7cm)	36" (91.44cm)

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Thermometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

(1) What is Field of View?

Field of View is similar to a flashlight. The further object is away, the bigger the diameter of the beam. The further you are from a sample, the larger the area the IR thermometer is measuring. For example: if the Field of View ratio for a thermometer is 6:1, then, when the thermometer is 6 inches from an object the sensor is looking at and measuring a 1-inch diameter. If the thermometer is 1¼ inches away, then the spot size being measured is ¼-inch.
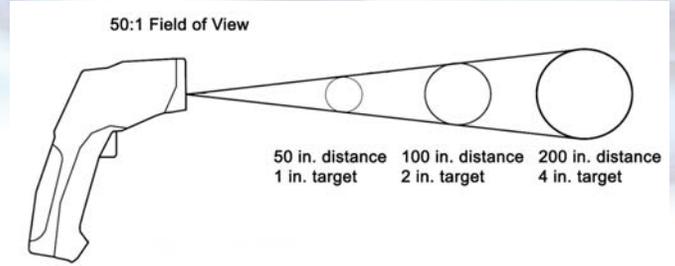
(2) What is Emissivity?

Emissivity refers to the amount of infrared radiation an object emits. The emissivity adjustment on IR thermometers is used to compensate for different materials. The default emissivity of 0.95 covers 90% of typical applications. For thermometers with adjustable emissivity a materials chart with suggested settings is provided. Generally very shiny, highly reflective surfaces require low emissivity settings.

50:1 Field of View

50 in. distance 1 in. target   100 in. distance 2 in. target   200 in. distance 4 in. target

Infrared Thermometer Selection Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy	Field of View (1)	Emissivity (2)	Min/Max Readings	Hi/Lo Alarms	Battery	Special Features
4375	43	Yes	−4 to 752°F / −20 to 400°C	0.1°	±3°C or ±3%	7:01	0.2 to 1.00*	Yes	N/A	1112	Trigger grip
4470	43	Yes	−76 to 932°F / −60 to 500°C	0.1°	±2°C or 1%	11:01	0.95 fixed	MAX only	N/A	1105	Trigger grip
4472	44	Yes	0 to 788°F / −20 to 420°C	1°	±2°C or 2%	8:01	0.3 to 1.00*	Yes	Yes	1112	9 memories
4475	45	Yes	−7.0 to 230°F / −22.0 to 110°C	0.1°	±1°C	1:01	0.95 fixed	Yes	N/A	1005	Key-chain
4480	45	Yes	−27 to 428°F / −33 to 220°C	0.1°	±1°C + 2%	1:01	0.95 fixed	N/A	N/A	1039	Pocket-clip/strap/key-chain
4481	45	Yes	−67 to 482°F / −55 to 250°C	0.1°	±1°C + 2%	6:01	0.5 to 1.00*	Yes	N/A	1005	Wrist strap
4482	43	Yes	−76 to 932°F / −60 to 500°C	0.1°	±1°C + 2%	12:01	0.1 to 1.00*	Yes	Yes	1105	Trigger grip
4483	44	Yes	−58 to 1832°F / −50 to 1000°C	0.1° to 200, 1° over 200	±1.5% + 2°C	50:01:00	0.95 fixed	N/A	N/A	1112	Trigger grip
4484	44	Yes	−58 to 1832°F / −50 to 1000°C	0.1° to 200, 1° over 200	±1.5% + 2°C	50:01:00	0.1 to 1.00*	Yes	Yes	1112	Trigger grip
4485	43	Yes	−76 to 1022°F / −60 to 550°C	0.1°	±2°C or 2%	12:01	0.1 to 1.00*	Yes	Yes	1105	Dual lasers

*Indicates adjustable emissivity in steps of 0.01°

TOP SELLER

Traceable® Infrared Thermometer Gun

Point-and-read gun provides temperature results of any surface in less than one second

- Easy-read display is back-lit, has low-battery indicator, and tracks maximum readings
- DATA HOLD key freezes display and gives time to accurately record readings
- Emissivity is 0.95 fixed
- Unit can take measurements in °C and °F and includes auto-off feature
- Supplied: batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
4470	–76 to 932°F (–60 to 500°C)	0.1°	±2% of reading or ±2°C	11:1

Traceable® Infrared Thermometer with Type-K Probe

Handy infrared unit with Type-K probe delivers flawless °C/°F surface measurements every time

- Audible, user-settable, high and low alarms signal out of range conditions
- Memory permits recalling individually captured readings
- Emissivity is adjustable from 0.10 to 1.00
- Supplied: Type-K probe, batteries, Traceable® Certificate

Cat. No.	Infrared Range	Type-K Probe Range	Resolution	Accuracy	Field of view
4482	–76 to 932°F (–60 to 500°C)	–83 to 2552°F (–64 to 1400°C)	0.1°	±1°C + 2%	12:1

For additional Type-K probes, see page 41.

Traceable® Infrared Dual Laser Thermometer w/Type-K Probe

NEW

Point-shoot-record with handy Type-K laser gun

- Dual lasers show the diameter of the area being measured, °F/°C switchable
- Thermometer displays the average of all measurements taken and the difference between the two readings
- Emissivity is adjustable from 0.1 to 1.00 in increments of 0.01
- Supplied: batteries, Type-K beaded sensor, Traceable® Certificate

Cat. No.	Infrared Range	Type-K Range	Resolution	Accuracy	Field of view
4485	–76 to 1022°F (–60 to 550°C)	–83 to 2552°F (–64 to 1400°C)	0.1°	±2% of reading or ±2°C whichever is greater	12:1

For additional Type-K probes, see page 41.

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Traceable® Noncontact Temperature Indicator

Internal laser target guide and Type-K compatibility make this infrared gun a 2-for-1 lab powerhouse

● Great for use in food preparation, clean rooms, electronics-where accuracy is imperative
● Emissivity is adjustable from 0.20 to 1.00
● HOLD functions allows time for user to record temperature readings, °F/°C switchable
● Memory function stores MIN/MAX readings
● Supplied: battery, Type-K beaded probe, carrying case, Traceable® Certificate

Cat. No.	Infrared Range	Type-K Range	Resolution	Accuracy	Field of view
4375	–4.0 to 752°F (–20 to 400°C)	–100.0 to 1300.0°C	0.1°	±3% of reading or ±3°C	7:1

For additional Type-K probes, see page 41.

Traceable® Infrared Thermometer Gun

High-performance, easy-to-operate infrared gun has incredible 50:1 field of view

● Instant, less-than-a-second temperature readings of any surface, °F/°C switchable
● Ideal for food preparation, pharmaceuticals, field use, electronics, and safety inspection
● Features minimum/maximum memory, average readings, and high/low audible alarms (Cat. No 4484)
● Supplied: battery, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view	Emissivity
4483	–58 to 1832°F (–50 to 1000°C)	0.1°	±1.5% + 2°C between –20 to 200°C	50:1	Fixed at 0.95
4484		0.1°	±1.5% + 2°C between –20 to 200°C	50:1	Adjustable from 0.10 to 1.00 in 0.01 steps

4483   4484

Traceable® Infrared Thermometer with Memories/Alarm

Innovative, 9-memory infrared unit with alarm meets every touchless temperature reading need

● Nine memory sets of 4 values (MIN, MAX, ΔT, and AVG) are available and ready for recall
● Distinctive audible alarm sounds when temperatures rise above or drop below user-set limits
● Compact, 5-key unit takes temperature readings in less than 1 second, °F/°C switchable
● Emissivity is adjustable from 0.3 to 1.0
● Supplied: battery, wrist strap, soft carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
4472	0 to 788°F (–20 to 420°C)	1°	2% of reading or ±2°C	8:1

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Traceable® Infrared Thermometer with wristband

Laser beam permits perfect sample target sighting

- One button design makes operation easy, °F/°C switchable
- Emissivity is 0.05 to 1.00 in .01 steps
- Supplied: battery, wristband, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
4481	–67 to 482°F (–55 to 250°C)	0.1°	±1°C + 2%	6:1

Traceable® Infrared Thermometer with pocket clip

Easy-to-carry design is ideal for blood bank labs

- Simple point-and-shoot operation, °F/°C switchable
- Unit reads both Fahrenheit and Celsius of any surface—solids, semisolids, and liquids
- Fixed emissivity is precisely set at 0.95
- Supplied: battery, lanyard, pocket-clip, key-chain, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
4480	–27 to 428°F (–33 to 220°C)	0.1°	±1°C + 2%	1:1

Traceable® Mini-IR™ Thermometer

Point-and-read, non-invasive IR mini-thermometer is super-reliable lab helper

- LOCK mode allows for 60 minutes of continuous readings without holding key down, °F/°C switchable
- Simple-to-set unit records minimum-only or maximum-only results for constantly changing targets
- Fixed emissivity is precisely set at 0.95
- Supplied: battery, key-chain, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Field of view
4475	–7 to 230°F (–22 to 110°C)	0.1°	±1°C between 15.0 to 40.0°C; ±1.5°C elsewhere	1:1

Traceable® Disposable Temperature Strip-Chart Recorder

Provides a permanent record—easy to read, copy, fax, scan, file

- Disposable recorder with broad temperature range delivers °F/°C accuracy on same chart
- Solid-state, battery-driven, quartz-crystal-controlled motor makes operation error-free
- Temperature sensor is bimetallic and has an accuracy rate of better than 1 second per day
- Supplied: battery, chart paper, Traceable® Certificate

Cat. No.	Range	Accuracy	Records
4221	–20 to 100°F (–28 to 38°C)	±2°F (±1°C)	10 days
4222			40 days

NEW

Traceable® Memory-Card Humidity/Temperature/Dew Point

It records readings from once a minute up to once every 720 minutes on a SD memory card

- Datalogging capabilities that can capture 5.9 million readings with 256 mb removable SD memory card
- Visual and audible alarms indicate when temperature, humidity or dew point rises above and falls below user-defined set points
- USB memory card reader plugs directly into Windows and Mac—no software to install to retrieve date/time of day and readings of sensors
- Supplied: 256 mb SD memory card, USB memory card reader, magnetic strips, Velcro®, wall mount, bench stand, batteries, adaptor, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Dew Point
6404	Humidity: 0.0 to 90.0% RH	0.1%	±5% RH at 25°C between 20 to 85% RH; ±7% RH elsewhere	−20.0 to 50.0°C with 0.1° resolution
	Temperature: 0 to 50.0°C	0.1°	±1°C	

NEW

Traceable® Digital Humidity/Temperature/Dew Point Meter

Convenient triple memories recall minimum/maximum readouts for relative humidity, dew point, and temperature

- Audible and visual LED alarm may be set to trigger at three different humidity readings (55%, 60% or 65%)
- Solid state sensors deliver response times of less than 30 seconds, °F/°C switchable
- Supplied: wall mount, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Dew Point
4800	Humidity: 1 to 99% RH	0.1%	±3% mid-range, ±5% elsewhere	14 to 140°F (−10 to 60°C)
	Ambient Temperature: 14 to 140°F (−10 to 60°C)	0.1°	±1°C	

Humidity Selection Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Relative Humidity Range	Resolution	Accuracy	Temperature Range	Resolution	Accuracy	Battery	Features
4080	48	Yes	10.00 to 95.00% RH	0.01% RH	±1.5% RH	−40.0 to 104.4°C	0.01°	±0.4°C	1112	Also reads dew point
4082	50	Yes	25 to 95% RH	1% RH	±2% RH	−50 to 70°C	0.1°	±1°C	1111	Remote sensor with memory
4085	48	Yes	5.00 to 95.00% RH	0.01% RH	±1.5% RH	−40.0 to 104.4°C	0.01°	±0.4°C	1112	Response time of 10 seconds
4087	47	Yes	10.0 to 95.0% RH	0.01% RH	±1.5% RH	0.0 to 50.0°C	0.01°	±0.4°C	1112	Simple point/read technology
4093	47	Yes	20 to 95% RH	1% RH	±3.5% RH	0.0 to 50.0°C	0.1°	±1°C	1105	Pen shape
4094	47	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	1105	Compact size
4096	47	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	1105	Dual min/max memories
4154	50	Yes	20 to 99% RH	1% RH	±5% RH	−50.0 to 70.0°C	0.1°	±1°C	1105	Remote humidity sensor
4180	49	Yes	10 to 95% RH	0.1% RH	±3% RH	−20 to 60°C	0.1°	±1°C	1105	Hard-copy results
4184	50	Yes	10 to 95% RH	0.1% RH	±2% RH	−50 to 70°C	1°	±1°C	1105	Jumbo digits
4185	49	Yes	10 to 95.0% RH	0.1% RH	±2% RH	−18 to 93°C	0.1°	±1°C	1112	Computer-output
4186	51	No	0 to 100% RH	1% RH	n/a	−40 to 50°C	1°	n/a	n/a	No maintenance required
4187	47	Yes	10.0 to 95.0% RH	0.1% RH	±2.5% RH	−20.0 to 60.0°C	0.1°	±1°C	1112	Recorder output
4189	49	Yes	10.0 to 95.0% RH	0.01% RH	±3% RH	0.0 to 50.0°C	0.01°	±1°C	1112	Computer-output
4192	51	Yes	0 to 100% RH	10% RH	±5% RH	n/a	n/a	n/a	n/a	Humidity card (pack of six)
4380	48	Yes	25 to 90% RH	1% RH	±2% RH	−20 to 60°C	0.1°	±1°C	1111/1105	Radio-signal from remote
4385	49	Yes	0 to 95.0% RH	0.1% RH	±2% RH	−18 to 93°C	0.1°	±1°C	1112	Computer-output
4392	48	Yes	0 to 100.0% RH	0.1% RH	±3% RH	−20.0 to 50.0°C	0.1°	±1°C	1105	Dew point, min/max
4410	50	Yes	1 to 99% RH	0.1% RH	±4% RH	−40 to 70°C	0.1°	±1°C	1105	Dew point and wet-bulb monitor
4800	46	Yes	1 to 99% RH	1% RH	±3% RH	−10 to 60°C	1°	±1°C	1105	RH Alarm and reads Dew point
6404	46	Yes	0.0 to 90.0% RH	0.1% RH	±5% RH	0 to 50.0°C	0.1°	±1°C	1111	Datalogger with Memory card

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Traceable® Digital Humidity/Temperature Meter

TOP SELLER

Continuously and simultaneously displays relative humidity and temperature with dual-recall memories

- Ideal for routine measurements, monitoring round-the-clock, quality-control needs, and critical experimental requirements
- Minimum and maximum memories can be displayed or cleared at any time with the touch of a key
- Fulfills CLIA requirements, °F/°C switchable
- Supplied: wall mount, bench, stand, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Features
4096	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	MIN/MAX memory
	Temperature: 32 to 122°F (0 to 50°C)	1°	±1°C	
4094	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	Display is updated once per second
	Temperature: 32 to 122°F (0 to 50°C)	1°	±1°C	

Traceable® Humidity/Temperature Pen

Quickly view temperature and relative humidity with dual-recall memories

- Meets Federal Government CLIA requirement 493.1252
- Easy to carry due to handy pocket clip
- Response time is less than 6 seconds, °F/°C switchable
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4093	Humidity: 20 to 95% RH	0.1%	±3.5% RH mid-range to ±5.5%
	Temperature: 32.0 to 122°F (0.0 to 50°C)	0.1°	±1°C

Traceable® General-Purpose Hygrometer/Thermometer

Perfect quality-control unit displays accurate answers for every air measurement

- Easy-to-operate unit features a DATA HOLD switch allowing readings to be captured and noted
- Unit is self-contained with built-in humidity and temperature sensors, °F/°C switchable
- Response times vary from 30 seconds to 3½ minutes
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4087	Humidity: 10.00 to 95.00% RH	0.01%	±1.5%
	Temperature: 32.0 to 122.0°F or 0 to 50°C	0.01°	±0.4°C at tested points
Accessories			
4237	Data Acquisition System (for additional information see page 68)		
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)		

Traceable® Humidity/Temperature Meter

Hand-held, compact unit is easy to operate

- Memory captures 99 data points which can be recalled on demand
- Response time is 30 seconds to 5 minutes depending on environment, °F/°C switchable
- Large ½-inch digits can be read from 10 feet away
- Precision thin-film capacitance sensor updates the display 3 times per second
- Supplied: battery, tripod-mount, hard carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4187	Humidity: 10.0 to 95.0% RH	0.1%	±2.5% RH mid-range to ±5% RH elsewhere
	Temperature: –4.0 to 140.0°F (–20.0 to 60.0°C)	0.1°	±0.1°C

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4380

4381

Traceable® Radio-Signal Remote Humidity/Thermometer

Monitors humidity and temperature up to 100 feet away

- Unit feature high/low alarms, °F/°C switchable
- Data is transmitted every 30 seconds
- Trend indicators show if humidity is rising or falling
- Additional Traceable Humidity/Thermometer Remote Sensor Module (Cat No. 4381); may be set to channel 1, 2, or 3; total of three modules may be used with main unit 4380
- Supplied: battery, carrying case, flip-open stand, wall brackets, one remote sensor module Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4380	Humidity: 25 to 90% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Temperature: –4 to 140°F (–20 to 60°C)	0.1°	±1°C

Accessories			
4381	Additional Traceable® Humidity/Thermometer Remote Sensor Module		

Traceable® Pocket Hygrometer/Dew Point/Thermometer

Humidity, dew point, temperature display—sensor not affected by condensation

- Unit may be used in 100% humidity, °F/°C switchable
- Full range response time of 30 seconds to 1 minute
- Supplied: Traceable® Certificate, battery, hard carrying case

Cat. No.	Range	Resolution	Accuracy
4392	Humidity: 0 to 100.0% RH	0.1%	±3% RH mid-range to ±4% RH elsewhere
	Temperature: –20.0 to 50.0°C (–4.0 to 122°F)	0.1°	±1°C
	Dew point: –20.0 to 50.0°C (–4.0 to 122°F)	0.1°	±1°C

Traceable® Humidity/Temperature/Dew Point Meter

Resolution of 0.01% relative humidity—ideal for QC labs, ISO 9000 environments and Research & Development

- Ideal for hoods, clean rooms, food storage, process control, incubators, desiccators, drug manufacturing, environmental chambers, corrosion analysis, inside/outside air monitoring
- Fulfills federal CLIA requirements
- Memory recalls minimum and maximum readings at any time, °F/°C switchable
- High and low alarms can be programmed for dew point, temperature and humidity
- Computer output permits data to be captured, transferred, stored and printed with DAS software
- Under 10 second response time
- Probe: 7-inch length x 0.4 inch diameter; cable: 72 inches
- Supplied: computer output, battery, Traceable® Certificate

4085

4080

Cat. No.	Range	Response time	Resolution	Accuracy	Probe
4085	Humidity: 5.00 to 95.00% RH	10 seconds	0.01% RH	±1.5% RH	Stainless-steel: 7-inch length x 0.4 inch diameter; cable: 72 inches
	Temperature: –40.00 to 220.0°F (–40.00 to 104.0°C)	—	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: –40.00 to 140.0°F (–40.00 to 60.00°C)	—	0.01°	—	
4080	Humidity: 10.00 to 95.00% RH	30 seconds	0.01% RH	±1.5% RH	Epoxy: 7-inch length x 0.4 inch diameter; cable: 72 inches
	Temperature: –40.00 to 220.0°F (–40.00 to 104.0°C)	—	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: –40.00 to 140.0°F (–40.00 to 60.00°C)	—	0.01°	—	

Accessories	
4099	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)
4236	AC Adaptor
1523	AC Adaptor, International

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Traceable® Humidity/Thermometer

Unit simultaneously displays humidity or dew point and temperature

- Unit displays Min/max humidity readings and includes a HOLD key to freeze display for later reading
- Records wide humidity variations on a second-to-second basis
- Data logger captures 1000 readings manually at the push of a key or automatically when set between 1 to 3600 secs
- Computer output allows unit to be connect to a computer for data downloading
- Supplied: battery, probe, 40" cable, computer output, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4189	Humidity: 10.0 to 95.0% RH	0.01%	±3% RH	Size: 8" x 0.66" diameter
	Temperature: 32.0 to 122.0°F (0.0 to 50.0°C)	0.01°	±1°C	

Accessories	
4136	Data Acquisition System (for additional information see page 68)
4325	Data Logger (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)

Traceable® Memory Hygrometer/Thermometer

Maintain accuracy with do-it-yourself calibration

- Microprocessor-based design provides unparalleled accuracy
- Simultaneously displays both temperature and relative humidity on dual 1⅛-inch high LCD
- 3 foot cable allows user to retrieve readings from hard-to-reach areas
- Supplied: probe, cable, battery, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4185	Humidity: 10 to 95% RH	0.1% RH	±2% mid-range, otherwise ±4%
	Temperature: –18 to 93°C	0.1°	±1°C between 0 to 40°C, otherwise ±2°C
4385	Humidity: 10 to 95% RH	0.1% RH	±2.0%
	Temperature: –18 to 93°C	0.1°	±1°C between 0 to 40°C, otherwise ±2°C
	Dew Point: 0 to 50°C	0.1°	±2°C

Accessories	
4394	33% Calibration Standard with calibration instructions
4395	75% Calibration Standard with calibration instructions
8045	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)

Traceable® Printing Hygrometer/Thermometer

Print readings at any programmed time interval from 6 seconds to 59 minutes, 59 seconds

- Provides a permanent record by printing current humidity/temperature/time/date and maximum and minimum readings; also includes the time and date that the readings occurred.
- Fast-response, solid-state sensors detect changes in less than 10 seconds
- Meets CLIA specification 493.1252
- Supplied: T1, T2 Type-K probe, cable, probe holder/stand, carrying case, paper rolls, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4180	Humidity: 10 to 95%	0.1% RH	±3% RH mid-range to ±5% RH elsewhere	Probe: ¾" diameter x 6¼"; 48" cable
	T1 Temperature: –20.0 to 60.0°C	0.1°	±1°C	
	T2 Temperature: –200 to 1333°C	0.1°C (from –328 to 999.9°F) elsewhere 1°	±(0.2% of reading plus 1.8°C)	Type-K: 0.06" diameter; 48" cable

| Accessories	
8182	Replacement Printing Paper (pack of 2 rolls)
8183	Adaptor (for AC operation)

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Traceable® Jumbo Humidity/Temperature Meter

Jumbo 1⅛-inch digits display humidity, temperature—read from 35 feet away

- Simultaneously displays ambient relative humidity and (internal probe and external probe) temperatures °F/°C with dual-recall memories
- Both sensor and 10-foot cable perform accurately when under water
- Fulfills CLIA specification 493.1207
- Response time is less than 30 seconds
- Supplied: flip-open stand, wall mount, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4184	Ambient humidity: 10 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Ambient temperature: –32 to 122°F	1°	±1°C
	Probe temperature: –50 to 70°C	1°	±1°C

Traceable® Memory Humidity/Temperature Meter

Simultaneously displays probe temperature, ambient temperature and humidity

- Features: ambient sensor, external sensor, memory recall
- Supplied: plastic stand, wall mount, internal humidity sensor, external/internal temperature sensors, 10-foot cable, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4082	Ambient humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Ambient temperature: 32 to 122°F (0 to 50°C)	1°	±1°C
	External temperature: –58.0 to 158.0°F (–50.0 to 70.0°C)	0.1°	±1°C

Traceable® Remote Alarm RH and Temperature Monitor

Triple display simultaneously shows high, low, and current humidity/temperature readings

- Remote humidity/temperature sensor on a 7-foot cable
- Hi/Lo Alarms, min/max memories
- High/low alarm feature may be set by user in 1% RH or 1° increments
- Perfect for use in hoods, classrooms, stockrooms, environmental chambers and chemical storage areas
- Supplied: battery, external humidity/temperature sensor, flip-open stand, wall-mount, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4154	Humidity: 20 to 99% RH	1%	±5% RH midrange
	Temperature: –58.0 to 158.0°F (–50.0 to 70.0°C)	0.1°	±1°C
	Ambient sensor temperature: 32 to 122°F (0 to 50°C)	1°	±1°C

Traceable® Dew Point/Wet-Bulb/Humidity/Thermometer Alarm

Settable high/low alarms for all four readings

- Unit shows current minimum and maximum readings for dew point, wet-bulb, humidity and temperature
- Alarm sounds for 1 minute and red LED flashes until readings return to non-alarm conditions
- Supplied: stand, batteries, wall-mount, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4410	Humidity: 1 to 99% RH	0.1%	±4% between 20 to 80% RH
	Temperature: –40 to 158°F (–40 to 70°C)	0.1° below 100°	±1°C

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Humidity-on-a-Card™

Color changes from blue to lavender in increments of 10% RH

- Individually sealed cards indicate both current humidity and the maximum humidity attained
- Maximum relative humidity attained is indicated by the highest numbered hole containing dissolved crystals
- Monitor humidity levels in shipments, optics and packaging
- Supplied: Traceable Certificate®

Cat. No.	Range	Resolution	Accuracy	Size	Quantity
4192	Humidity: 0 to 100% RH	10% RH	±5% RH at 75°F (24°C)	4 x 4 inches	6/pk
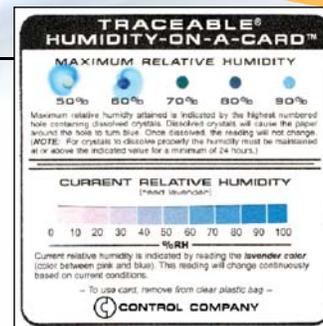
Dial Hygrometer/Thermometer

No batteries required

- Easy analog reading, no batteries to replace
- Supplied: wall mount screw, hanger

Cat. No.	Range	Resolution
4186	Humidity: 0 to 100%	1% RH
	Temperature range: –40 to 122°F (–40 to 50°C)	1°
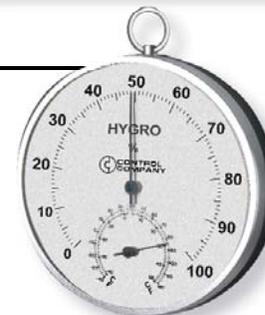
Enviro-Meter™

Four-in-one lab champion

- Lightweight, hand-held workhorse: anemometer, humidity meter, light meter, and 2 thermometers, °F/°C switchable
- HOLD key freezes display, MIN/MAX feature displays highest and lowest reading over any time period
- Supplied: battery, Type-K beaded probe/4-foot cable, wrist strap

Cat. No.	Function	Range	Resolution	Accuracy
4332	Air Velocity	0.40 to 30.0 meters per second 1.4 to 108.0 kilometers per hour 80 to 5910 feet per minute 0.9 to 67.0 miles per hour 0.8 to 58.3 knots (nautical miles per hour)	0.1 m/sec. 0.1 km/hr 1 ft/min 0.1m/h 0.1 knots	±3 or 4% of full scale
	Temperature	Ambient sensor: 32.0 to 122.0°F (0.0 to 50.0°C)	0.1° (°C and °F)	±1.2°C
		Type-K: –148.0 to 2372°F (–100.0 to 1300°C)	0.1° (°C and °F)	±(1% of reading + 1°C)
	Humidity	10.0 to 95.0% RH	0.1% RH	±4% RH under 70% ±(4% of reading +1.2% RH) over 70%
	Light	0 to 20,000 lux (0 to 2000 foot candles)	1 lux (1 fc)	±5% of reading and ±8 digits

Barometer Selection Chart

Page No.	52	52	53	53
Cat. No.	4247	4198	4199	1081
Traceable® Certificate Supplied	Yes	Yes	Yes	Yes
Barometric Pressure Range	0.29 to 32.48 inHg 10.0 to 1100 mbar(hPa) 7.5 to 825.0 mmHg	8.85 to 32.45 inHg 300 to 1100 mbar (hPa)	28.1 to 31.7 inHg, 954 to 1073 mbar (hPa) 715 to 805 mmHg	23.62 to 31.01 inHg 800 to 1050 mbar (hPa)
Resolution	0.01 inHg, 0.1 and 1 mbar (hPa)	0.01 inHg, 1 mbar (hPa)	0.05 inHg, 0.5 mbar (hPa), 0.5 mmHg	0.063 inHg, 1 mbar (hPa)
Accuracy	±4 hPa	±8 mbar at tested points	±0.5% of reading	±6 mb (890 to 1020 mb)
Temperature Range	0 to 50°C	–10 to 60 °C	n/a	–9 to 70°C
Resolution	0.1°	0.1°	n/a	0.5°
Accuracy	±1°C	±1.5°C	n/a	±1°C
Battery Replacement	1105	1005	n/a	1105
Features	Portable, hand-held– Easy operation	Hand-held barometer, altimeter, compass, thermometer, stopwatch	Dial displays three scales	Forecasting indicators show conditions for next 12 hrs

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Hand-Held Barometer

Hand-held multi-tasking barometer is ideal lab partner for any workplace

- Hand-held unit measures altitude, temperature and barometric pressure
- Barometric trend graph delivers present and previous 2/4/6/8/10 and 12-hour readings in bar-chart format
- Barometer pressure readings are updated every 15 minutes
- Includes stopwatch, time-of-day clock and compass
- Supplied: batteries, lanyard, Traceable® Certificate

Cat. No.	Function	Range	Resolution	Accuracy
4198	Barometric pressure	8.85 to 32.45 inHg; 300 to 1100 mbar	0.01 inHg; 1 mbar	±0.2363 inHg; ±8 mbar
	Temperature	14 to 140°F (–10 to 60°C)	0.1°	±1.5°C
	Altitude	–2296 to 29520 ft –700 to 9000 meters	0.1 from –500 to 999.9, 1 elsewhere	—
	Stopwatch	1 sec to 23 hrs, 59 min, 59 sec	0.1°	—

NEW

Traceable® Hygrometer/Thermometer/Barometer/Dew Point Pen

Lightweight and compact unit measures humidity, temperature, barometric pressure and dew point

- User selectable dual display shows humidity/temperature, humidity/dew point, barometric pressure/temperature or barometric pressure/humidity
- Portable—easy operation
- Min/max readings recalled at the press of a key
- Supplied: metal clip, battery, Traceable® Certificate

Cat. No.	Function	Range	Resolution	Accuracy
4247	Barometric Pressure	10.0 to 1100 mbar (hPa); 7.5 to 825.0 mmHg; 0.29 to 32.48 inHg	0.1 and 1 mbar (hPa); 0.1 mmHg; 0.01 inHg	±4 hPa between 550 to 1100 hPa
	Humidity	10.0 to 95.0% RH	0.1%	±3% RH midrange to ±4% RH elsewhere
	Thermometer	0.0 to 50.0°C	0.1°C	±1°C
	Dew Point	–25.3 to 48.9°C	0.1°	±1°C

Traceable® Precision Dial Barometer

Highly reliable, place-anywhere barometer delivers meticulous results

● Barometer has response time of 1 to 4 hours and triple scales that provide precise, sensitive measurements of atmospheric pressure

● Adjustable pointer may be set to indicate changes

● Altitude adjustment screw is supplied for use at locations as high as 1000 meters

● Supplied: altitude adjustment screw, stand, wall mount, Traceable® Certificate

Cat. No.	Function	Range	Resolution	Accuracy
4199	Barometric pressure	28.1 to 31.7 inHg 945 to 1073 mbar 715 to 805 mmHg	0.05 inHg 0.5 mbar 0.5 mmHg	±0.5% of reading

Traceable® Workstation Barometer with Clock

NEW

Ideal weather watcher and trend setter

● Ideal for recording ambient changes in lab, monitoring conditions affecting sample analysis, and assisting in prediction of weather changes

● Unit includes a barometer, thermometer, clock, altitude adjustment, and weather symbol forecasting symbols

● Adjustable altitude compensation from –900 to 3600 feet (–300 to 1200 meters)

● Barometric trend shows current reading, previous 1, 3, 6, and 12-hour readings in bar chart format

● Supplied: batteries, Traceable® Certificate
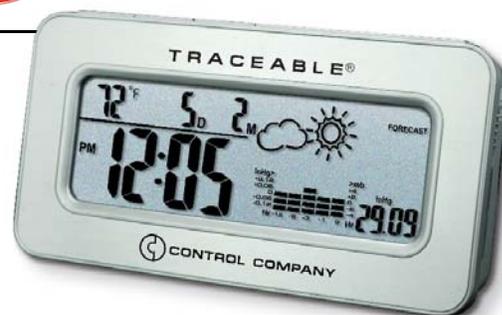
Cat. No.	Function	Range	Resolution	Accuracy
1081	Barometric pressure	23.62 to 31.01 inHg 800 to 1050 mbar (hPa)	0.063 inHg 1 mbar	±6 mb (890 to 1020 mb); otherwise ±10 mb
	Temperature	–22 to 158°F –9 to 70°C	0.5°	±1°C (32 to 104°F and 0 to 40°C) ±2°C elsewhere

Wireless Weather Station

Monitor all weather variables with complete system

● Displays temperature, humidity, dew point, heat index, barometric pressure/pressure bar graph, weather forecast, wind direction and speed, wind chill, rainfall amount, atomic clock and calendar/moon phase

● Programmable alarms for all measurements signal out-of-range conditions

● Min/max readings may be displayed for all measurements

● Data output permits linking to a computer for storing all information, making a permanent weather database, generating analysis and studying trends

● Supplied: AC adaptor, batteries, rain gauge, 2 solar panels, wind vane, anemometer, thermometer, hygrometer, mounting poles and screws

Cat. No.	Function	Range	Resolution
4250	Atomic clock	24 hours (AM/PM)	1 minute
	Temperature	Indoor range: 32 to 122.0°F and 0 to 50.0°C Outdoor range: –58 to 158°F and –50 to 70°C	0.1°C
	Humidity	Indoor range: 2 to 98% Outdoor range: 2 to 98%	1% RH
	Dew Point	Indoor range: 32 to 120°F and 0 to 49°C Outdoor range: 14 to 140°F and 10 to 60°C	1°C
	Barometer Absolute Pressure	700 to 1050 mbar and 20.67 to 31.01 inHg	1 mb
	Wind Speed	Outdoor range: 2 to 56 m/sec	0.2 m/sec

Traceable® Vane Anemometer Pens

Designed for intuitive, easy operation by everyone

- Three units provide airflow/temperature, airflow/temperature/humidity/dewpoint, and airflow/temperature/dew point/barometric pressure
- Constructed to keep dust and dirt out of unit, assuring a long life even in harsh conditions
- Unit recalls Min/Max readings and also has a HOLD key allowing user to freeze current reading on display
- Compact design, easy-to-use, MIN/MAX memory
- Supplied: batteries, Traceable® Certificate

Cat. No.	3650	3651	3652
Description	Traceable® Anemometer/Thermometer	Traceable® Anemometer/Thermometer/Hygrometer/Dew point	Traceable® Anemometer/Thermometer/Hygrometer/Dew point/Barometer
Air Flow Range	0.4 to 30.0 m/s 1.4 to 108.0 km/hr 80 to 5910 ft/min 0.9 to 67.0 mile/hr 0.8 to 58.3 knots	0.4 to 30.0 m/s 1.4 to 108.0 km/hr 80 to 5910 ft/min 0.9 to 67.0 mile/hr 0.8 to 58.3 knots	0.4 to 30.0 m/s 1.4 to 108.0 km/hr 80 to 5910 ft/min 0.9 to 67.0 mile/hr 0.8 to 58.3 knots
Air Flow Resolution	0.1 m/s; 0.1 km/hr;1ft/min 0.1 mile/hr; 0.1 knots	0.1 m/s; 0.1 km/hr;1ft/min 0.1 mile/hr; 0.1 knots	0.1 m/s; 0.1 km/hr;1ft/min 0.1 mile/hr; 0.1 knots
Air Flow Accuracy	±3% full scale under 20 m/s ±4% full scale over 20 m/s	±3% full scale under 20 m/s ±4% full scale over 20 m/s	±3% full scale under 20 m/s ±4% full scale over 20 m/s
Temperature Range	32.0 to 122.0°F (0.0 to 50.0°C)	32.0 to 122.0°F (0.0 to 50.0°C)	32.0 to 122.0°F (0.0 to 50.0°C)
Temperature Resolution	0.1°	0.1°	0.1°
Temperature Accuracy	±0.8°C	±0.8°C	±0.8°C
Humidity Range	—	10.0 to 95.0% RH	10.0 to 95.0% RH
Humidity Resolution	—	0.1%	0.1%
Humidity Accuracy	—	±3 of reading +1	±3 of reading +1
Dew Point Range	—	−13.5 to 120.1°F (−25.3 to 48.9°C)	−13.5 to 120.1°F (−25.3 to 48.9°C)
Dew Point Resolution	—	0.1°	0.1°
Barometric Pressure Range	—	—	10.0 to 1100 hPa 7.5 to 825.0 mmHg 0.29 to 32.48 inHg
Barometric Pressure Resolution	—	—	0.1 and 1hPa 0.1 mmHg 0.01 inHg
Barometric Pressure Accuracy	—	—	±4 hPa

Traceable® Micro-Anemometer/Thermometer

Ultra compact micro-design is small in size and big in features

- Water-resistant unit measures air velocity in five user selectable values; meters per minute, feet per second, miles per hour, kilometers per hour and knots
- Readings updated 2 times per second and immediate results provided
- Maximum airflow measured and temperature in F and C also displayed on screen
- Supplied: Traceable® Certificate, lanyard, nylon carrying case, battery

Cat. No.	3655
Air Flow Range	0.0 to 30.0 m/s, 0.0 to 98.0 ft/sec, 0.0 to 67.0 mile/hr, 0.0 to 108.0 km/hr, 0.0 to 58.0 knots
Air Flow Resolution	0.1 m/s, 0.1 km/hr, 0.1 ft/sec, 0.1 mile/hr, 0.1 knots
Air Flow Accuracy	±5% full scale
Temperature Range	−20.0 to 80.0°C (−4.0 to 176.0°F)
Temperature Resolution	0.1°
Temperature Accuracy	±1°C

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Hot Wire Anemometer/Thermometer

Great precision—even at low air velocities

● Handy telescopic probe—expandable from 9½" to three feet—is ideal for hard-to-reach areas

● No-moving-parts anemometer eliminates friction errors—perfect for any environmental test

● Output capability allows unit to be connected to a computer or data logger to monitor/store results

● Supplied: batteries, dual thermistor probes, 40" cable, computer output, Traceable® Certificate

Cat. No.	Air Velocity	Resolution	Accuracy
4330	0.2 to 20.0 meters per second	0.1 m/sec.	±(1% full scale+ 1 digit)
	0.7 to 72.0 kilometers per hour	0.1 km/hr	
	40 to 3940 feet per minute	1 ft/min	
	0.5 to 44.7 miles per hour	0.1 m/h	
	0.4 to 38.8 knots (nautical miles per hour)	0.1 knots	

Accessories	
4136	Data Acquisition System (for additional information, please see page 68)
4325	Data Logger (for additional information, please see page 68)
7085	Universal wireless Radio-Signal Transceivers (for additional information, please see page 68)

Traceable® Anemometer/Thermometer

Double-duty anemometer simultaneously displays air velocity and temperature

● Easy-to-operate anemometer is ideal for use in hoods or outdoors

● MEMORY key allows for recalling highest/lowest readings achieved and HOLD freezes display to record test results

● Unit has computer output capabilities

● Supplied: battery, carrying case, computer output, Traceable® Certificate

Cat. No.	Air Velocity	Resolution	Accuracy
4331	0.40 to 30.0 meters per second	0.1 m/sec.	±3% of full scale
	1.4 to 108.0 kilometers per hour	0.1 km/hr	
	80 to 5900 feet per minute	1 ft/min	
	0.9 to 67.0 miles per hour	0.1 m/h	
	0.8 to 58.0 knots (nautical miles per hour)	0.1 knots	

Accessories	
4237	Data Acquisition System (for additional information, please see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information, please see page 68)

Traceable® Digital Anemometer/Thermometer

Extraordinarily low-friction design provides a vane that rotates freely in low/high velocities

● Engineered for years of reliable service even in severe or harsh environments

● Reading is updated instantaneously

● Supplied: battery, carrying case, 4-foot cable, flip-open stand, Traceable® Certificate

Cat. No.	Air Velocity	Resolution	Accuracy
4091	0.4 to 30.0 meters per second	0.1 m/sec.	±(2% + 1 digit) of speed reading
	1.4 to 108.0 kilometers per hour	0.1 km/hr	
	80 to 5910 feet per minute	10 ft/min	
	0.8 to 53.3 knots (nautical miles per hour)	0.1 knots	

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

3460-3463

3466, 3469

Accessories (3460-3463 only)

Cat. No.	Description
8045	Data Acquisition System (additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (additional information, see page 68)

Accessories (3466-3469 only)

Cat. No.	Description
7337	Replacement Paper rolls

Accessories

Cat. No.	Description
4136	Data Acquisition System (additional information, see page 68)
4325	Data Logger (for additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (additional information, see page 68)

Traceable® Manometer/Pressure/Vacuum Gauge

Quick-response manometer with memory key allows for recalling highest and lowest readings

- Portable unit measures and displays differential pressure/vacuum in 11 different units: psi, mbar, bar, cm/H_2O, $inch/H_2O$, $feet/H_2O$, mm/Hg, inch/Hg, kg/cm^2, $oz/inch^2$, kPa
- Printer option provides hard copy of samples number, current reading, date, and time for today's stringent quality-control documentation—user may set unit to repetitively print from 1 second to 2 hours
- Hose fittings on the unit permit hose/tubing with inside diameters from 1/16 to 3/16-inches
- Count-up timer displays up to 99 hours, 59 minutes, 59 seconds
- Supplied: computer output, Traceable® Certificate, hose/tubing, batteries, carrying case, paper roll

Cat. No. Non-printing	3460	3461	3462	3463
Cat. No. Printing	3466			3469
Max. Allowed PSI	20	30	60	150
PSI Range	−5.000 to 5.000	−15.00 to 15.00	−30.00 to 30.00	−100.0 to 100.0
PSI Resolution	0.003	0.01	0.02	0.1
mbar Range	−345.0 to 345.0	−1034 to 1034	−2068 to 2068	−6895 to 6895
mbar Resolution	0.2	1	2	4
bar Range	−0.3450 to 0.3450	−1.034 to 1.034	−2.068 to 2.068	−6.895 to 6.895
bar Resolution	0.001	0.001	0.002	0.004
cm/H_2O Range	−351.0 to 351.0	−1055 to 1055	−2109 to 2109	−7031 to 7031
cm/H_2O Resolution	0.2	1	2	4
$inch/H_2O$ Range	−138.0 to 138.0	−415.0 to 415.0	−830.0 to 830.0	−2768 to 2768
$inch/H_2O$ Resolution	0.1	0.3	0.5	2
$feet/H_2O$ Range	−12.00 to 12.00	−35.00 to 35.00	−69.00 to 69.00	−231.0 to 231.0
$feet/H_2O$ Resolution	0.01	0.02	0.04	0.2
mm/Hg Range	−259.0 to 259.0	−776.0 to 776.0	−1551 to 1551	−5171 to 5171
mm/Hg Resolution	0.2	0.5	1	3
inch/Hg Range	−10.00 to 10.00	−31.00 to 31.00	−61.00 to 61.00	−204.00 to 204.00
inch/Hg Resolution	0.01	0.03	0.1	1.0
kg/cm^2 Range	−0.350 to 0.350	−1.060 to 1.060	−2.110 to 2.110	−7.030 to 7.030
kg/cm^2 Resolution	0.001	0.001	0.002	0.004
$oz/inch^2$ Range	−80.00 to 80.00	−240.0 to 240.0	−480.0 to 480.0	−1600 to 1600
$oz/inch^2$ Resolution	0.05	0.2	0.3	1
kPa Range	−34.50 to 34.50	−103.0 to 103.0	−207.0 to 207.0	−690.0 to 690.0
kPa Resolution	0.02	0.1	0.2	0.4

Traceable® Pressure/Vacuum Gauge

Displays answer in eight different units—with accessory computer output

- At the touch of a key the unit may be zeroed
- Memory function recalls highest and lowest readings
- Supplied: transducer sensor, battery, 40" cable, computer output, Traceable® Certificate

Cat. No.	3165	3166
psi range (resolution)	−14.7 to 725 (1)	−14.70 to 29.0 (0.02)
bar range (resolution)	−1.0 to 50 (0.05)	−1.000 to 2.000 (0.002)
$Meter/H_2O$ (resolution)	−10 to 509.5 (0.5)	−10.00 to 20.40 (0.02)
Atmospheres range (resolution)	−1.0 to 49.35 (0.05)	−1.000 to 1.974 (0.002)
mm/Hg range (resolution)	−736 to 37500 (50)	−736 to 1500 (2)
inch/Hg range (resolution)	−29 to 1476 (1)	−29 to 59.05 (0.05)
$inch H_2O$ range (resolution)	−394 to 20050 (20)	−394 to 802 (1)
Kg/cm^2 range (resolution)	−1 to 50.95 (0.05)	−1.000 to 2.040 (0.002)

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Bench Conductivity Meter

Easy-to-use—simply turn on, insert probe and read results

- Fulfill all official lab analysis regulations for CAP, ASTM, NCCLS, CLSI, ACS, CLIA, AOAC, EPA, APHA, AWWA, WEF, USGS, USP, ISO, and Federal/State regulations
- Unit automatically encompasses all ranges and selects the most appropriate for the current reading
- Control allows user to store four calibration points using solution standards
- Supplied: adaptor, probe replatinizing current, probe holder arm, battery, Traceable® Certificate

Cat. No.	Measurement	Range					Accuracy
4163	Micromhos (microsiemens)	0.01 to 20.00	0.1 to 200.0	1 to 2000	10 to 20000	100 to 200000	±0.3% +1 digit
	Megohms	0.001 to 2.000	0.01 to 20.00				
	Dissolved Solids/ Parts Per Million	0.1 to 20.00	1 to 200	10 to 2000	100 to 20000		

Accessories	
4062	Replacement Conductivity Probe– Glass, K=1; Probe range: 0.05 to 200,000 micromhos
4061	Accessory Conductivity Probe– Unbreakable Epoxy, K=1; Probe range: 1.0 to 200,000 micromhos
4071	Accessory Battery Eliminator, Adaptor 115 VAC/60 Hz

Traceable® Portable Conductivity Meter

Quick answers, accurate results

- Automatic range changes; automatic and manual temperature compensation
- Four unique calibration points may be entered into memory utilizing solution standards; settings are stored even when unit is off
- Results are displayed into conductivity (microsiemens) and resistivity (megohms), dissolved solids (parts per million), concentration (user-defined units), salinity (oceanographic units) and temperature (F/C)
- Supplied: probe, cable, battery, Traceable® Certificate

Cat. No.	Measurement	Range					Accuracy
4063	Micromhos (microsiemens)	0.01 to 20.000	0.1 to 200	1 to 2000	10 to 20000	100 to 200000	±0.3% +1 digit (0.1 to 1999 Micromhos)
	Megohms	0.001 to 2.000	0.01 to 20.00				
	Dissolved Solids/ Parts Per Million	0.1 to 20.00	1 to 200	10 to 2000	100 to 20000		

Accessories	
4062	Replacement Conductivity Probe– Glass, K=1; Probe range: 0.05 to 200,000 micromhos
4061	Accessory Conductivity Probe– Unbreakable Epoxy, K=1; Probe range: 1.0 to 200,000 micromhos

Traceable® Conductivity Meter

For routine analysis, quality control, and research—automatic temperature compensation

- Ideal for verifying purity of water from stills, deionizing, and reverse osmosis equipment
- Supplied: probe, cable, battery, Traceable® Certificate

Cat. No.	Measurement	Range	Accuracy
4070	Micromhos (microsiemens)	0.1 to 200.0	±0.4% full scale
	Megohms	2.00 to 20.00	

Accessories	
4079	Replacement Probe– Glass, K=1
4074	Accessory Probe– Unbreakable Epoxy, K=1
4077	Accessory Glass Probe– K=0.1, Increases sensitivity of low range 10 times
4078	Accessory Probe Unbreakable Epoxy– K=10, Increases sensitivity of high range 10 times
4056	Accessory Micro-Sampler and Micro Flow-Through Cell, with volume of 2 ml, K=0.2
4071	Accessory Battery Eliminator, Adaptor 115 VAC/60 Hz

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Conductivity Meters/Conductivity/pH Buffer Standards (CRM) are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Expanded Range Conductivity Meter

Accurate answers in five seconds

- Ideal for checking water purity in stills, deionizers, reverse osmosis; testing glassware rinsing, measuring total dissolved solids, and making solutions
- Meter automatically selects proper range and displays the exact answer
- Compatible with all accreditation analysis requirements—perfect for labs wanting to maintain accreditation
- Unit fulfills requirements for CAP, ASTM, NCCLS, CLSI, ACS, CLIA, AOAC, EPA, APHA, AWWA, WEF, USGS, USP, ISO, and Federal/State regulations
- Supplied: probe, batteries, carrying case, computer output, Traceable® Certificate

Cat. No.	Measurement	Range	Accuracy
4360	Conductivity	0.00 to 19.99 microsiemens; 0.0 to 199.9 microsiemens; 0 to 1999 microsiemens; 0 to 19.99 millisiemens; 0 to 199.9 millisiemens	±1.0% +1 digit
	Dissolved Solids	0.00 to 9.99 ppm; 0.0 to 99.9 ppm; 0 to 999 ppm; 0 to 9.99 ppt; 0 to 99.9 ppt	

Accessories

4361	Replacement Conductivity Probe— Glass/Platinum, K=1; probe range: 0 to 200,000 microsiemens
4362	Conductivity Probe— Unbreakable Epoxy, K=1; probe range: 0 to 200,000 microsiemens.
8045	Data Acquisition System (for additional information see page 68)
4363	9V Adaptor (for international information see page 79)

Traceable® Dual-Display Conductivity Meter

Two displays simultaneously show conductivity readings and temperature measurements

- Simultaneously displays temperature and conductivity
- Probe: 6 x ½" diameter, 40" cable
- Supplied: epoxy probe, Traceable® Certificate, battery, computer output

Cat. No.	Conductivity Ranges	Accuracy	Temperature Ranges	Temperature Resolution	Temperature Accuracy
4169	0.0 to 199.9 micromhos 0.001 to 1.999 millimhos 0.01 to 19.99 millimhos	±(2% of full scale plus 1 digit)	32 to 140 °F (0.0 to 60.0 °C)	0.1°	±0.8°C

Accessories

4136	Data Acquisition System (for additional information, see page 68)
4325	Data Logger (for additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information, see page 68)
4138	Easy-Use Adaptor 115 VAC (for international adaptor see page 79)

Traceable® Pure H₂O Tester

Easy-read large digit display

- Meets all lab certification requirements
- Tests water from stills, demineralizers, deionizers, reverse osmosis
- Instant response
- Supplied: epoxy probe, 40" cable, carrying case, battery, Traceable® Certificate

Cat. No.	Range	Accuracy
4168	0.1 to 20,000 (microsiemens)	±0.4% of full scale

Traceable® Conductivity/TDS/Salinity Pens

Easiest unit ever designed for routine analysis and quality control

- Three units provide for conductivity, conductivity/total dissolved solids, and salinity
- Simply turn on, insert, and simultaneously read results and temperature-eliminates operator technique errors
- Constructed for severe lab or harsh plant environment use
- Arrow key allows fast setting to calibration standards that are maintained even when unit is off
- Pens fulfill requirements for CAP, ASTM, NCCLS, CLSI, ACS, CLIA, AOAC, EPA, APHA, AWWA, WEF, USGS, USP, ISO, and Federal/State regulations
- Supplied: Traceable® Certificate, battery

NEW

4365   4366   4367

| Cat. No.	4365	4366	4367
Conductivity Range	0 to 1999 microsiemens; 0 to 19.99 millisiemens	0 to 1999 microsiemens; 0 to 19.99 millisiemens	—
Dissolved Solid Range	—	0 to 1999 parts per million; 0 to 19.99 parts per thousand	—
Salinity Range (NaCL)	—	—	0.00 to 10.00 ppt; 10.1 to 70.0 ppt
Resolution	1 microsiemen	1 microsiemen/ 1 part per million	0.01 ppt
Accuracy	±1% full scale + 1 digit	±1% full scale + 1 digit	±2% full scale + 1 digit
Temperature Range	0.0 to 50.0°C/ 32.0 to 122.0°F	0.0 to 50.0°C/ 32.0 to 122.0°F	0.0 to 50.0°C/ 32.0 to 122.0°F
Temperature Resolution	0.1°	0.1°	0.1°
Temperature Accuracy	±0.5°	±0.5°	±0.5°
Settable Temp. Coefficient	0.0 to 4.0% per °C	0.0 to 4.0% per °C	–
Automatic Temp. Compensation	20 and 25°	20° and 25°	25°
Total Dissolved Solids Factor	–	0.4 to 1.00	–
Use with Calibration Standards	400 microsiemens to 19.99 millisiemens	400 microsiemens to 19.99 millisiemens; 400 ppm to 19.99 ppt	0.20 to 7.00%

pH/Conductivity Universal Flow-Thru Adaptor

Allows constant monitoring of flowing fluids with a standard dip probe

- Product can be used continuously at temperatures from -100 to 500F and is designed to provide a secure, leakproof seal
- Connectors accept tubing with 1/16, 3/32, 1/32 and ⅛-inch diameter

Cat. No.	Flow rate	Size
4167	0.001 to 50 ml per minute	Accepts probe: 0.5-inch (12 mm); Accepts tubing: 0.0625", 0.0937", 0.0313" and 0.1875" I.D.
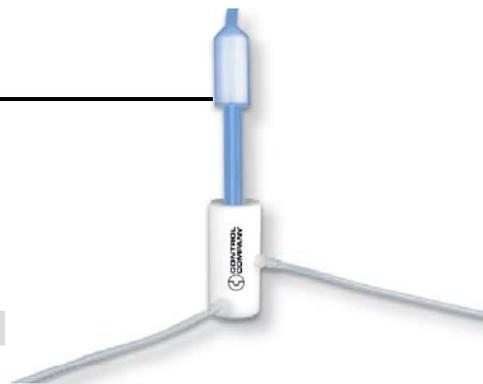
Electrode Holder

Holds electrodes safely and securely in any position

- Fingertip control raises, lowers, and pivots 360 degrees allowing placement of the electrode holder wherever desired
- Holds electrodes safely and securely in any position
- Weighted base stabilizes holder and electrode arm articulates at three points so electrodes always remain vertical

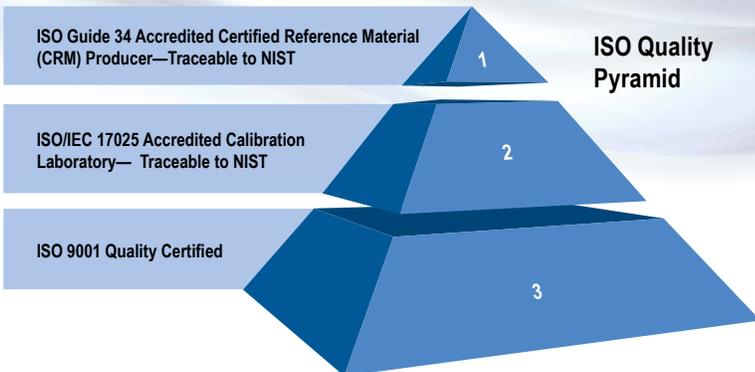| Cat. No.	Supplied
3090	21-inch metal arm, 8-inch diameter metal base, probe holder

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Conductivity Meters/Conductivity/pH Buffer Standards (CRM) are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable Conductivity and pH Buffer Standards

Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is supplied from manufacturer with both bottles and One-Shots™ to indicate traceability to standards provided by NIST (National Institute of Standards and Technology) and/or a National Standards Laboratory. A2LA accredited certification provides highest achievable level of quality assurance, documentation, and accuracy. Certified Reference Materials are produced by an A2LA accredited ISO 34 certified reference material producer and by an A2LA accredited ISO/IEC 17025 calibration laboratory. Additional accreditations include ISO 31 (certificate content), and ISO 35 (statistical analysis), and ISO 9001 (certified quality manufacturer).

ISO Quality Pyramid

- ISO Guide 34 Accredited Certified Reference Material (CRM) Producer—Traceable to NIST — **1**
- ISO/IEC 17025 Accredited Calibration Laboratory— Traceable to NIST — **2**
- ISO 9001 Quality Certified — **3**

Traceable® Conductivity Standards (CRM)

TOP SELLER

Highest accuracy available assuring reliable results

- Certified Reference Material
- 100% compatible with all conductivity meters
- Each bottle is labeled for calibrating conductivity, resistivity and dissolved solids
- Accuracy at 25°C is ±0.25 microsiemens for 1, 5, 10 microsiemen solution or ±0.25% for other solutions or the uncertainty noted on the certificate
- Supplied: 16 ounce container, step-by-step calibration instructions, individual temperature compensation charts, traceability information, Traceable® Certificate

Traceable® One-Shot™ Conductivity Standards (CRM)

Calibration within disposable container eliminates contamination

- Certified Reference Material
- 100% compatible with all conductivity meters
- Accuracy: certificate stated uncertainty, or ±0.25 microsiemen or ±0.25%
- Supplied: 6-pack 100 ml container, step-by-step calibration instructions, individual temperature compensation charts, traceability information, Traceable® Certificate

4175   4065

Traceable® Conductivity Standards, Certified Reference Material Accredited ISO Guide 34, ISO Guide 35, ISO Guide 31, ISO/IEC 17025					
Cat. No. 16 oz. bottle	Cat. No. Individually Tested 16 oz. bottle	Cat. No. 100 ml One-Shot™ (6-pack)	Microsiemens/Micromhos	Megohms	TDS/PPM
4274	4574	—	1	1	0.66
4270	4570	4271	5	0.2	3.3
4065	4565	4175	10	0.1	6.6
4066	4566	4176	100	0.01	66
4067	4567	4177	1000	0.001	666
4173	4573	4174	1413	0.00071	933
4068	4568	4178	10000	0.0001	6666
4069	4569	4179	100000	0.00001	66666
4161	4561	4580	150000	0.000006	100000
4162	4562	4581	200000	0.000005	133333
—	—	4172	Assortment (one each of above One-Shot™, except 4271, 4580, 4581)		

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Traceable® pH Buffer Standards (CRM) [NEW]

The most accurate pH Standards available anywhere

- 100% compatible with all makes and instruments and electrodes
- Accuracy at 25°C is ±0.010 pH
- Select values manufactured to IUPAC (International Union of Pure and Applied Chemistry) formulation—features long term buffer stability and buffer resistance to temperature changes during pH meter calibration
- Only Certified Reference Material meets all test requirements for Federal, State, and local agencies
- Triple-layered proprietary packaging—aluminum foil, PET and low-density polyethylene bag—prevents contamination by permeable gases and provides 2-year shelf life
- Each 16 ounce bottle or six pack single-use 100ml container is supplied with an individual temperature compensation chart, traceability information, Traceable® Certificate

Traceable® pH Standards Certified Reference Material

Size	Cat. No.	pH Value
16 oz. bottle	4280	4.005
	4281	7.000
	4286	7.416
	4282	10.012
100 ml One-Shot™ (6-pack)	4287	4.005
	4288	7.000
	4285	7.416
	4289	10.012

4280　　4287　　　　4281　　4288　　　　4286　　4285　　　　4282　　4289

Redi-Stor™ Conductivity Probe Storage Solution

Eliminates probe contamination and preserves probe cleanliness

- Redi-Stor™ is ideal solution for storing conductivity probes
- It preserves probe's cleanliness, eliminates growths found when storing in water only, and maintains probe for immediate use with no conditioning
- Supplied: 16 ounce container, step-by-step calibration instructions, individual temperature compensation chart, Traceable® Certificate

Cat. No.	Size
4170	16 oz. bottle

Workstation Spilltray™ and Drying Rack

Chemical-resistant containment tray

- Easel design permits drying of odd shaped items
- Plastic grid cushions and protects against breakage and scratches
- Grid cuts drying time in half by permitting air circulation
- Entire tray is dishwasher safe

Cat. No.	Size
3450	16½ x 13 x ⅝ inches

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Traceable® Dissolved Oxygen Meter

Easy-to-use meter simultaneously displays oxygen concentration and temperature

- Instrument recalls highest, lowest and average readings at the touch of a button
- Output for exporting data
- Computer output allows connection to a computer or data logger for monitoring and keeping results
- Supplied: probe, 40" cable, two replacement probe heads, electrolyte solution, battery, computer output, carrying case, Traceable® Certificate

Cat No.	Description	Range	Resolution	Accuracy
4320	Dissolved oxygen measurement	0.00 to 20.00 mg/L	0.1 mg/L	±0.4 mg/L
	DO measurement % air saturation	0.00 to 100%	0.1%	±0.7% mg/L
	Temperature measurement	0.0 to 60°C	0.1°	±1.5°F/0.8°C
	Automatic temperature compensation	mg/l mode: 0.0 to 60.0°C, % air mode: 0.0 to 60.0°C		
	Salinity compensation	0 to 39%		
	Altitude compensation	0 to 3900 m		

Accessories	
4136	Data Acquisition System (for additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)
4138	Easy-Use Accessory Adaptor 115 VAC (for international adaptor see page 79)

NEW

Traceable® Dissolved Oxygen Pen

Measures dissolved oxygen to 100% air saturation

- Compact design
- Easy-to-use, MIN/MAX readings
- Supplied: 2 replacement probe tips/membranes, electrolyte solution, carrying case, battery, Traceable® Certificate

Cat. No.	Description	Range	Resolution	Accuracy
4319	Dissolved oxygen measurement	0.00 to 20.00 mg/l	0.1 mg/l	±0.4 mg/l
	Oxygen measurement % air saturation	0.0 to 100% air saturation	0.1%	± 0.7% mg/l
	Temperature measurement	32.0 to 122°F (0.0 to 50.0°C)	0.1°	±1.5°F / 0.8°C
	Automatic temperature compensation	0.0 to 50.0°C	—	—

Traceable® Moisture Meter

Displays moisture content of material, wood/wood product, soil and paper

- Recalls highest, lowest and average readings at the touch of a button
- Meter's memory contains nine types of materials with their calibrations
- Provides automatic and manual temperature compensation
- Establishes reference moisture readings
- Supplied: probe, ten spare pins, battery, computer output, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4310	9.0 to 30.0% moisture	0.1%	±(4% of reading plus 5 digits)

Accessories	
4136	Data Acquisition System (for additional information, see page 68)
4325	Data Logger (for additional information, see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information, see page 68)
4138	Easy-Use Accessory Adaptor 115 VAC (for international adaptor see page 79)

Traceable® Light Meter Pen

Hand-held light meter designed for fast, simple readings

- Tough ABS plastic housing with O-ring seal and membrane keypad keeps out dust and dirt, assuring a long life in severe lab or harsh plant environments
- HOLD key freezes reading on display
- Supplied: batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
3247	0 to 1,860 Foot Candles	0.1 Foot Candles	±5% of reading plus 5
	0 to 20,000 Lux	1 Lux	

Traceable® Dual-Range Light Meter

Cable allows placing sensor anywhere

- Unit recalls highest, lowest, and average reading; and includes color-correction filter
- Analog output for strip and chart recorders (0.1 millivolts per digit)
- Supplied: 2 inch diameter photocell, 40" cable, battery, recorder output, Traceable® Certificate

Cat. No.	Measurement	Range	Resolution	Accuracy
3251	Lux	0 to 1,999 lux	1 lux	±5% reading + 10 lux
		2000 to 19,999 lux	10 lux	±5% reading + 100 lux
		20,000 to 50,000 lux	100 lux	±5% reading + 100 lux
	Foot Candles	0 to 199.9 Fc	0.1 Fc	±5% reading + 1 Fc
		200 to 1999 Fc	1 Fc	±5% reading + 10 Fc
		2000 to 5000 Fc	10 Fc	±5% reading + 100 Fc

Accessories	
4138	Easy-Use Accessory Adaptor 115 VAC (for international adaptor see page 79)

Traceable® Dual-Display Light Meter

Dual display shows lux or foot-candles, or percent differential from a reference point, and selected light source—daylight, tungsten, fluorescent or mercury

- Unit recalls highest, lowest and average readings; also includes a HOLD key to freeze the display
- Computer output allows connection to a computer or data logger for monitoring and keeping results
- Supplied: 2" diameter photo cell, 40" cable length, battery, computer output, Traceable® Certificate

Cat. No.	Measurement	Range	Resolution	Accuracy
3252	Lux	0 to 1,999 lux	1 lux	±4.5% full scale
		2,000 to 19,999 lux	10 lux	
		20,000 to 50,000 lux	100 lux	
	Foot Candles	0 to 199.9 Fc	0.1 Fc	
		200 to 1,999 Fc	1 Fc	
		2,000 to 5,000 Fc	10 Fc	

Accessories	
4136	Data Acquisition System (for additional information see page 68)
4325	Data Logger (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)
4138	Easy-Use Accessory Adaptor 115 VAC (for international adaptor see page 79)

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Meters are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Ultraviolet Light Meter

Reads and records UV wavelengths at three different ranges

- Precise photo-diode, color-correction filter
- Unit recalls highest, lowest and average readings; also includes a HOLD key to freeze display
- Computer output allows for connecting to a computer or data logger for monitoring and keeping results
- Supplied: ¾" diameter photocell, 40" cable, battery, computer output, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
3253	0 to 199.9 µW/cm^2	0.1 µW/cm^2	±4 µW/cm^2 + 1µW/cm^2
	200 to 1.999 mW/cm^2	0.001 mW/cm^2	±0.04 mW/cm^2 + 0.01 mW/cm^2
	2.00 to 19.99 mW/cm^2	0.01 mW/cm^2	±0.4 mW/cm^2 + 0.1 mW/cm^2
Accessories			
4136	Data Acquisition System (for additional information, see page 68)		
4325	Data Logger (for additional information, see page 68)		
7085	Universal Wireless Radio-Signal Transceivers (for additional information, see page 68)		
4138	Easy-Use Adaptor (for international adaptor see page 79)		

Traceable® Pocket Digital Light Meter

Light meter can be carried in your pocket

- Simple, two-key operation designed for easy transport
- Contains zero button for easy adjustment
- Supplied: flip-open stand, 40" cable, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
3248	0 to 199.9 Fc	0.1 Fc	±(5% full scale + 4)
	200 to 1,999 Fc	1 Fc	

Traceable® Sound Level Meter

Three decibel ranges for greater precision

- Response time can be adjusted by user to fast (0.2 seconds) or slow (1.5 seconds)
- Memory date-hold function stores highest readings achieved for later display
- Fulfills OSHA requirements for sound monitoring
- Recorder jack for capturing AC and DC 10 mV/dB data
- Provides weightings for both A (frequencies from 500 to 10 kilohertz) and C (frequencies from 30 to 10 kilohertz) to meet IEC 651 Type-2 standards
- Supplied: battery, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Response time
4335	low (35.0 to 80.0 dB)	0.1 dB	±2dB	fast (0.2 seconds) slow (1.5 seconds)
	medium (50.0 to 100.0 dB)			
	high (80.0 to 130.0 dB)			

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Traceable® Digital Laser Tachometer

Use this high accuracy tachometer to read speeds of centrifuges, motors, and stirrers

- Touchless, no contact operation is safe and easy
- Laser pin-point accuracy anywhere from two to seventy-eight inches away from any rotating object
- Supplied: batteries, self-adhesive reflecting tabs, internal light, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4060	10 to 99,999 RPM	0.1 below 1000, and 1 above	±1 RPM or 0.05%

Traceable® Touchless/Contact Digital Tachometer

Unique memory feature permits recalling highest, lowest and last reading

- Takes only 3 seconds for most readings
- Includes contact readings with a rotating spindle as well as touchless operation
- Supplied: batteries, self-adhesive reflecting tabs, internal light, cone for RPM, wheel of surface speeds, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4059	0 to 999.9 RPM	0.1 RPM	±0.05% of reading + 0.1 RPM
	1000.00 to 99999 RPM	1 RPM	±0.05% reading + 1 RPM

Traceable® Tachometer with Red LED Pointer

LED allows proper alignment for measurement

- Simple, touchless operation provides accurate readings in 2 seconds
- Optical no-contact measurements
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4262	10 to 99.99 RPM	0.001 RPM	±0.04% of reading + 0.02 RPM
	100.00 to 999.99 RPM	0.01 RPM	±0.04% of reading + 0.2 RPM
	1000.00 to 9999.99 RPM	0.1 RPM	±0.04% of reading + 2 RPM
	10000 to 99999 RPM	1 RPM	±0.04% of reading + 22 RPM

Traceable® Tachometer Touch

Lightweight and portable

- Precision quartz crystal insures stable and repeatable results
- Any rotating surface may be touched by the cone convex tip, funnel concave tip or speed wheel for instant results
- Designed to measure centrifuges, pumps, rollers, shafts, gears, motors, and moving surfaces
- Short sampling time provides answers in two seconds
- Low battery condition is indicated on the display
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4261	0 to 99.999 RPM	0.001 RPM	±0.04% reading + 0.01 RPM
	100.00 to 999.99 RPM	0.01 RPM	±0.04% reading + 0.1 RPM
	1000.0 to 9999.9 RPM	0.1 RPM	±0.04% reading + 1 RPM
	10000 to 99999 RPM	1 RPM	±0.04% reading + 10 RPM

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Traceable® Battery Tester

Checks alkaline, carbon, silver-oxide, mercury, nickel-cadmium and other batteries
- Simple color-coded scale immediately indicates battery conditions
- Provides true resistive load readings—real world usage; tests under actual operating conditions
- Gold-plated printed circuit board and silver-plated switches ensure accuracy and long life
- Supplied: 27½" cable, test leads, Traceable® Certificate

Cat No.	Range	Number of ranges	Accuracy
3410	1.35 to 12 volts	13	±5%

Traceable® Digital Auto-Range Multimeter

Designed specifically for checking electrical functions of scientific equipment in labs
- Features an audible beep for checking continuity, ensuring instant detection of shorts/opens in probes, cables, or circuit boards
- Supplied: Traceable Certificate®, case, batteries, needle probes, alligator clips

Cat No.	Range	Accuracy
3250	1 millivolt to 400 volts; AC/DC; 0.1 to 2,000,000 ohms	2 units, or 2% of the reading

Traceable® Ultra-Low Flow Meter

Shows current flow or total accumulated flow
- Compact, fully contained, ready to operate, no assembly required
- Simple four-key operation (Flow/Total, Units, Zero, Power)
- May be used with fluid temperatures from 32 to 122°F (0 to 50°C) and includes a viscosity compensation correction option
- Supplied: power adaptor, battery connector, ABS plastic case, Traceable® Certificate

Cat No.	Range	Accuracy
3500	4 to 30.00 milliliters/minutes	±2% full scale with liquid temperatures of 20 to 30° C; otherwise, ±4% full scale
	0.004 to 0.030 liters/minute	
	4.00 to 30.00 cubic centimeters/minute	
	0.135 to 1.01 fluid ounces/minute	
	0.001050 to 0.00742 gallons/minute	
	0.140 to 1.05 fluid imperial ounces/minute	
	0.00088 to 0.00659 imperial gallons/minute	

Variable-Speed Peristaltic Tubing Pump

Compact, variable-flow, bi-directional pump offers adjustable flow delivery
- Ideal for use with conductivity flow-thru cells, liquid chromatography, collecting fractions, pH/circulating fluids or buffers in baths, and moving corrosive materials
- Five different tubing sizes provide fine resolution with a wide flow range; revolution of one roller delivers a precisely measured volume specific to the tubing size and motor speed
- Fluid contacts only tubing for contamination-free pumping
- Tubing may be used with fluid temperatures from −80 to 500°F (−62 to 260°C)
- Pump has a purge/prime switch for high-speed emptying/filling, reverses at touch of a switch
- Supplied: silicone tubing, polypropylene fittings/nipples, AC adaptor, accessory battery connector

Cat No.	Flow rate range
3384	0.005 to 1.8 ml/minute
3385	0.03 to 8.20 ml/minute
3386	0.4 to 85.0 ml/minute
3389	4.0 to 600 ml/minute

Variable-Flow Chemical Transfer Pump

Designed specifically for pulseless fluid transfer at variable flow rates

- Pumps fluids with a viscosity to 200 centipoises
- May be used with fluid temperatures from –40 to 200°F (–40 to 93°C)
- Pump has a purge/prime switch for emptying/filling; also reverses for ease in draining tubing
- Barbed inlet/outlet ports use any type of tubing with an inside diameter of 3/16-inches
- Chemical-resistant, wetted parts are Dupont Delrin®, 304 stainless-steel, Viton®, and Dupont Teflon®
- May be used with up to 120 feet of tubing for remote sampling
- Supplied: 115 VAC UL-rated wall power supply

Cat No.	Flow rate range
3388	4.25 ounces to 0.625 gallon (120 to 2,250 ml) per min

Standard Check Valves

Made of zero maintenance, chemical resistant Kynar®/Viton®

- Prevents damage to equipment, pumps, and flow systems by preventing blackflow; may be autoclaved
- Use with acids, bases, water, chemical processing, alcohols
- Use for liquids, gases, pressure, vacuum applications
- Operating ranges are 0 to 50 PSI and –40 to 126°C

Cat No.	Quantity	Overall Size	Use Tubing I.D size
3295			0.125"
3296	6/pk	1¼-inch	0.187"
3297			0.25"
3298			0.375"

Hose/Tubing Clamps

For use with all types of rubber and plastic tubing

- Made of chemical/corrosion-resistant, non-conducting nylon
- One-piece, reusable clamp squeezes shut for a leak proof seal pressing the side releases the clamp
- May be chemically or gas-sterilized for biomedical or food applications
- Use within temperature range: 32 to 194°F (0 to 90°C)

Cat. No.	Quantity	Inside Clamp Diameter
3261	100/pk	0.246 to 0.290" (6.25 to 7.37 mm)
3262	100/pk	0.360 to 0.406" (9.14 to 10.31 mm)
3263	100/pk	0.410 to 0.468" (10.41 to 11.89 mm)
3264	100/pk	0.475 to 0.536" (12.07 to 13.61 mm)
3265	100/pk	0.538 to 0.608" (13.67 to 15.44 mm)
3266	100/pk	0.597 to 0.665" (15.16 to 16.89 mm)
3267	100/pk	0.670 to 0.780" (17.02 to 19.81 mm)
3268	100/pk	0.730 to 0.830" (18.54 to 21.08 mm)
3269	100/pk	0.870 to 0.975" (22.10 to 24.77 mm)
3270	100/pk	0.953 to 1.093" (24.21 to 27.76 mm)
3271	100/pk	1.031 to 1.187" (26.21 to 30.15 mm)
3272	100/pk	1.250 to 1.425" (31.75 to 36.20 mm)
3273	100/pk	1.406 to 1.610" (35.71 to 40.90 mm)
3280	65/pk (assortment)	0.246 to 1.610" (6.25 to 40.90 mm)

Tight-Ties™

One-piece, self-locking ties made of chemical-resistant Nylon™

- Works with all types of plastic/rubber tubing
- Tensile strength is 12 to 50 pounds
- Unique tapered tips for fast inserting and tightening
- Use within temperature range: –40 to 85°C

Cat. No.	Quantity	Overall Length	
3285	400/pk assortment	4 to 14"	101.6 to 355.6 mm
3286	100/pk	4"	101.6 mm
3287	100/pk	5⅝"	142.88 mm
3288	100/pk	8"	203.2 mm
3289	100/pk	11"	279.4 mm
3290	100/pk	14"	355.6 mm
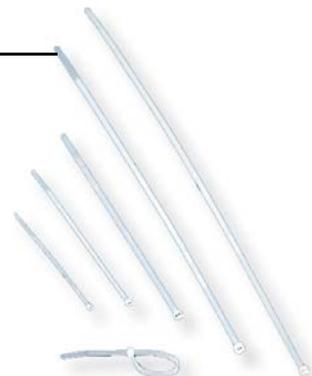
Universal Wireless Radio-Signal Transceivers

Send Traceable® instruments results to any computer up to 300 feet away

- Sends readings from Traceable® thermometers, hygrometers, conductivity meters, anemometers, manometers, light meters, and over 26 instruments directly to computers and automatically via e-mail to cell phone

- Plug-and-play units are pre-configured for out-of-the-box use; no software drivers are used-setup takes less than 2 minutes

- Signal is powerful enough to penetrate walls

- Windows® 98/Me/NT/2000/XP/Vista/Windows 7

- Supplied: power supply, antennas, serial/USB connections

NEW

Wireless Transceiver

Cat. No.	Description
7085	Universal Wireless Radio-Signal Transceivers
Accessories	
7084	USB Extension Cable (150 feet long)
7791	Serial Extension Cable (50 feet long)

Computer Data Acquisition System with USB Cable

Easily keeps track of results for thermometers, hygrometers, barometers, light meters, anemometers, manometers, dissolved oxygen, conductivity and more

- Allows up to eight unique Traceable® meters to simultaneously capture data and send it to directly to email to any smartphone or computer

- Readings are saved to a file that can be viewed, printed as-is, or merged in a report or spreadsheet format

- Data continues to be collected in background even when user works on other software programs

- 24/7 audible/visual alarm reminds user to check on data

- Supplied: Windows CD, 6-foot cable—USB, serial, meter connections
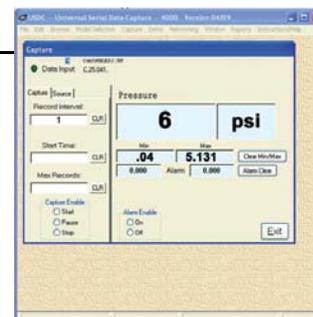
Data Acquisition System Cat. No.	Product Description	Page No.	Product Cat. No.
4136	Traceable® Pressure/Vacuum Gauge	56	**3165/3166**
4136	Traceable® Dual-Display Light Meter	63	**3252**
4136	Traceable® Ultraviolet Light Meter	63	**3253**
8045	Traceable® Manometer/Pressure/Vacuum Gauges	56	**3460/63**
4099	Traceable® Digital Thermometer	22	**4000**
4237	Traceable® Memory Wide-Range Thermometer	37	**4007**
4099	Traceable® Humidity/Temperature/Dew Point Meter	48	**4080/4085**
4237	Traceable® General-Purpose Hygrometer/Thermometer	47	**4087**
4136	Traceable® RTD Platinum Thermometer	23	**4132**
4136	Traceable® Double Thermometer	58	**4137**
4136	Traceable® Dual-Display Conductivity Meter	58	**4169**
4136	Traceable® Humidity/Thermometer	49	**4189**
4136	Traceable® Moisture Meter	62	**4310**
4136	Traceable® Infrared Digital Thermometer	44	**4315**
4136	Traceable® Dissolved Oxygen Meter	62	**4320**
4136	Traceable® Hot Wire Anemometer/Thermometer	55	**4330**
4237	Traceable® Anemometer/Thermometer	55	**4331**
8045	Traceable® Expanded Range Conductivity Meter	58	**4360**
8045	Traceable® Memory Hygrometer/Thermometer	49	**4385**

Data Logger

For use with Traceable® meters featuring computer output

- Complete DAS–4™ System captures and stores up to 8000 bytes—over 1000 readings

- Readings may be taken at intervals from 1 second to 99 hours

Cat. No.	Supplied
4325	Windows CD, 3-foot cable—USB, serial, and instrument connections, batteries

CONTROL COMPANY

Traceable® Digital Calipers

Ideal for measuring inside diameter, outside diameter and depth

- Designed for laboratory use, measures in inches and millimeters
- Zero button instantly sets unit to zero when jaws are at any position—permits, without calculations, setting a Floating Zero™ or reference point to read "greater than or less than results with a minus sign displayed"
- No lubrication is ever required on the ultra-smooth slide bar, runs on the supplied battery for 10,000 hours
- Supplied: carrying case, battery, Traceable® Certificate

3417

3415

3418

Cat. No.	3415	3416	3417	3418
Material	Stainless-steel		Carbon Fiber	
Measuring range	6"/150mm	8"/200mm	4"/100mm	6"/150mm
Resolution	0.0005 inch/0.01mm		0.01 inch/0.1mm	
Accuracy	±0.001 inch or ±0.03mm		±0.01 inch or ±0.2mm	
Depth Bar	Yes		No	
Thumb roller/Lock screw	Yes		No	
Non-metallic/non-conductive	No		Yes	
Dimensions	9 x 3 inches	11 x 3 inches	7 x 2½ inches	9½ x 3 inches
Weight	5 ounces	6 ounces	1 ounce	2 ounces
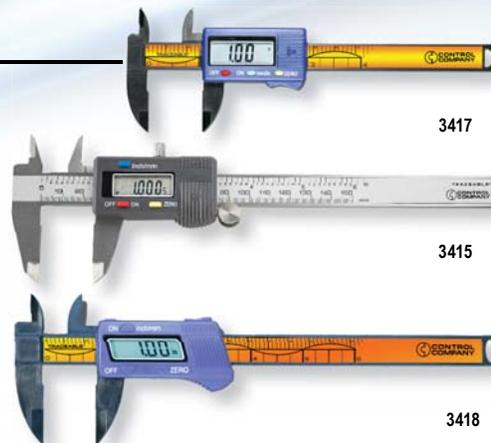
Traceable® SpatulaBalance™

TOP SELLER

Unique spatula both scoops material and displays weight

- Three position soft-touch keys in the handle tares (sets to zero), holds (freezes display) and changes grams to ounces
- Scoop detaches from balance for dishwasher-safe cleaning
- LCD indicates low battery
- Markings on see-through scoop are graduated from 5 to 30 milliliters in 5 milliliter increments for weighing liquids with ease
- Supplied: batteries, detachable scoop, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Scoop capacity
3475	0 to 300.0 g (0 to 10.580 oz)	0.1 g (0.005 oz)	±0.2 g or ±0.25%	32 ml/1.1 fl. oz (vol: 32 cm^3/1.95 inch^3)

Accessories	
7050	Replacement scoop

Ultra-Clean™ Supremium Aluminum Foil

NEW

Pure aluminum foil is manufactured specifically for lab

- Foil is impermeable to light, oxygen, and water
- Premium grade foil eliminates problems caused by thinner foils
- 100% recyclable

Cat. No.	Type	Dimensions	Thickness	Unit Package	Case qty
3540	roll	12" x 25'	regular	each	12 each
3541	roll	12" x 75'	regular	each	12 each
3542	roll	12" x 200'	regular	each	12 each
3543	roll	18" x 25'	heavy-duty	each	12 each
3544	roll	18" x 50'	heavy-duty	each	12 each
3545	roll	18" x 25'	extra heavy-duty	each	12 each
3546	pop-ups	9" x 10¾"	regular	200 sheets	12 each

3543   **3546**

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Lab Tools are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

TOP SELLER

2050   **2057**

Cheesecloth Wipes

Ideal for wiping cuvettes, microscopes, glassware, syringes, pipettes and pH electrodes

- Meets all cleanliness specifications of USP (United States Pharmacopoeia) and Federal Specification CCC-G-101c
- Pure wipes absorb 6 times their weight of solvents and aqueous solutions
- Certified to be 100% pure cotton of reagent-grade quality and purity
- Can be used as a filtering material due to their inertness to harsh solvent

Cat. No.	Size	Quantity
2050	9 inch-square pad (8-ply) unfolds to approximately 18 x 36 inch	60/dispenser box
2057	4 inch-square pad (8-ply) unfolds to approximately 7 x 14 inches	200/box
2055	36 inches wide	100-yard bolt

TOP SELLER

2065   **2060**

Clean-Wipes™

New universal clean-up tool

- Lint-free, strong, nonwoven soft cloths will not scratch surfaces
- Pre-moistened Clean Wipes™ clean even the dirtiest parts
- Ideal for wiping optical parts, microscopes and lenses
- Ability to choose solution of choice with Dry Clean Wipes™—simply add 8 fl. oz. to canister
- Individually dispensed, reclosable container, snap-on sealed top eliminates contamination, dust, and dirt

Cat. No.	Liquid Solution	Quantity/canister
2065	70% reagent-grade isopropyl alcohol and 30% reagent-grade deionized water	100 wipes
2060	100% pure reagent-grade deionized water	100 wipes
2061	Dry—user adds any solution	100 wipes

Optic™ Glass Wipes

Made of lint-free microfiber cloth

- Nonwoven, lint-free cloth is pre-moistened with a unique formulation—easily removes oil, grease and lint
- Designed specifically for wiping goggles, eyeglasses, lenses, microscopes and fume hood windows
- Individually dispensed, 6 x 9-inch wipes are handy and ready for instant use

Cat. No.	Quantity/canister
2067	100 wipes

Adjustable Spray Wash Bottles

Convenient double headed design—adjustable spray nozzle

- Instant-off trigger release eliminates messy drips
- Chemical-resistant and virtually unbreakable bottles are made of high-density polyethylene (HDPE), sprayer is made of polypropylene
- Bottles may be gas or chemically sterilized, dishwasher safe
- Double-headed feature (Cat. No. 3340) eliminates removing a dripping pump and allows refilling in seconds through a separate opening

Cat. No.	Features	Volume	Quantity
3340	Double-headed	1000ml	1
3345	Adjustable spray nozzle	240ml	3/pack

3340   **3345**

Spray-Anywhere™ Adjustable Sprayer

Polypropylene sprayer changes any bottle into spray bottle

- Adjustable spray for any application – fine-mist, needle or big-stream
- Entire unit may be gas or chemically sterilized, dishwasher-safe

Cat. No.	Hose length	Bung Diameter
3347	32 inches	1.25 inches

Humidity Sponge™

Turns any container into a desiccator

- Non toxic desiccant—perfect for drugs, food, electronics, optics, and equipment
- Bags are guaranteed to retain 16% moisture by weight, typical results are 37% moisture absorption
- Desiccant meets US FDA requirements—certified ISO Class 5 (Class M3.5) cleanroom-compatible
- Indicator Sponge shows when moisture capacity has been reached

Cat. No.	Description	Size	Quantity
3150	Humidity Sponge™ Regenerable	3 x 3 x ¼ inch	40/pack
3151	Humidity Sponge™ Indicator	3 x 3 x ¼ inch	40/pack

Desi-Vac™ Vacuum Pump Containers

Achieves a vacuum of better than 200 inches of water with built-in pump

- Ideal for drying, preserving, storing and even shipping sample
- Vacuum pump built into the top removes air with manual strokes
- Release key on top allows air into the container to remove lid

Cat. No.	Size	Volume
3160	4½ x 5 inches	42 in^3 (700 cc)
3162	5 x 7¼ inches	91 in^3 (1500 cc)
3163	8½ x 7 x 7¼ inches	183 in^3 (3000 cc)

Anti-Static Static-Away™ Brushes

Eliminates possibility that static will damage sensitive lab work

- Washable, natural hair and synthetic conductive fibers simply remove static as it cleans
- Ideal for cleaning film, slides, optics, cuvettes, microscopes, electronics, monitors
- Brushes allow access to difficult places and eliminate touching critical equipment

Cat. No.	Brush width	Handle length
3316	2½-inch	1½-inch
3321	1-inch	5-inch
3322	2-inch	5-inch
3323	3-inch	6-inch

3321

3323

3316

3322

Dust'it™ Blower

Environmentally friendly—no aerosols

- Powerful bulb duster forcibly blows away dust, lint and dirt by providing high-pressure jets of air exactly where desired
- One-way inlet valve at top stops air/dust from being drawn through tip
- Non-conductive plastic sleeve-tip prevents scratches and permits cleaning optical lenses, slides, circuit boards, cuvettes

Cat. No.	Description
3119	Dust'it™ Blower

Ultrasonic Automatic Measuring Meter

Measure any space without needing a tape measure

- Simply point and shoot to measure distance, area, and volume
- One-key operation automatically performs length, area, or volume calculations
- Memory permits computing areas and volumes from stored measurements
- Supplied: battery, carrying case

Cat. No.	Range	Resolution	Accuracy
3419	2 to 50 feet (0.61 to 15.24 meters)	1 inch and 0.01 meters	1% ±1 digit

Laser Pointer

Powerful laser that clips to a notebook or lab coat pocket
- Perfect for slide presentations, detailed scientific discussions, microscope projections, field studies
- Highly visible 630-680 nm wavelength red light has 3.5 mm beam diameter
- Laser Class IIA has an output power of 5 mW and a range of over 300 feet

Cat. No.	Supplied
3140	battery, pocket clip

Laser Key-Chain

Key-chain makes it easy to carry anywhere
- Laser is designed specifically for slide presentations, wall charts, field use
- Pointer's brilliance works equally well in daylight or dark
- Output is 4 mW with a range of 400 feet

Cat. No.	Supplied
3143	battery, key-chain

Key-Chain Micro-Laser Pointer

Laser is perfect for slide presentations, wall charts and lectures
- Laser range is 300 feet
- Brilliant red light at highly visible 650 nm wavelength with a beam diameter of 3.5 mm

Cat. No.	Supplied
3141	battery, key-chain

Write-On™ Aluminum Tags

Features a soft center that takes messages on both sides
- Extremely durable and suited for use in moist environments within the range of −40 to 300°F (−40 to 148°C)
- Can be written on the ordinary ballpoint pen
- Handy size of 3⅛ x 1⅛ inches makes it ideal for tagging valves, tubing, samples, and cylinders.

Cat. No.	Supplied
3070	48 tags, wires

Glassware Rescuer™

Half-round/half-flat shape smooths jagged edges
- Saves glassware, recovers beakers, and preserves flasks with handy industrial diamond file
- Makes glassware safe for use
- Size: ¼-inch file diameter, 4 inch file length, 8 inches overall

Cat. No.	Features
3315	Nonskid, faceted handle is easy to hold

Liquid Alarm

Inexpensive guard for your valuable experiments and samples
- Loud alarm sounds for 30 hours when spills and overflows occur
- For detection when drums, tanks or flasks are close to overfilling
- Perfect reminder for unattended filling container
- Red LED light flashes

Cat. No.	Supplied
3240	battery, 10-foot cable

CONTROL COMPANY

Micro Probes, 6-pack

Hand-honed to needle sharpness

● For manipulation of micro work, inspecting, microscopes, gluing

● Handles are nonslip and ergonomically designed

Cat. No.	Supplied
3310	6 each microprobes (stainless-steel)

Knife Set

Strong carbon-steel blades

● Heavy-duty cutting edges

● Fine cutting performance—ideal for work in any environment

● Eight handles, 47 blades, wet/dry sharpening stone, sturdy plastic case

Cat. No.	Supplied
3320	8 handles; 47 blades (carbon-steel)

Micro Spatulas, 4-pack

Small yet mighty flat-ended stainless-steel blades

● Four sizes: 0.1, 0.3, 0.5, 1.0 mm (0.004 to 0.04 inches)

● Overall length is 2½-inch (6 cm)

Cat. No.	Supplied
3300	4 each micro spatulas (stainless-steel)
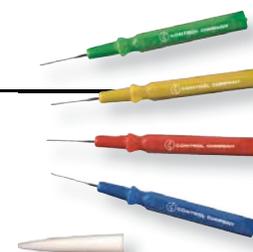
Original Labtool™

Compact tool—folds closed to prevent injury

● Features a file, pick, bottle-opener, saw, large and small Phillips screwdrivers, knife blade, inch/millimeter ruler, scraper, needle-nosed pliers, grippers, wire cutters

● Size: 4 inches when closed, weight: 10¼ ounces

Cat. No.	Supplied
3325	labtool, carrying case
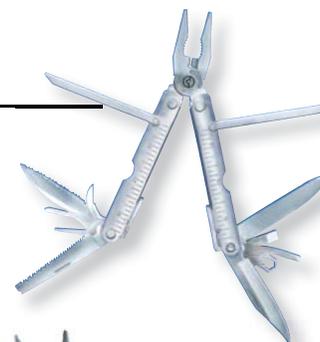
Labtool II™

Fourteen tools for hundreds of uses

● Features: pliers/gripper, wire stripper, wire cutter, ruler, small knife, large knife, serrated knife, punch, flat head, screwdriver, Phillips screwdriver, bottle opener, needle, saw, and serrated stripper

● Size: 3½ inches long when closed, weight: 7 ounces

Cat. No.	Supplied
3326	labtool, carrying case

Mini-Labtool™ with Key-Chain

Tool chest on a key-chain

● Features: pliers/gripper, wire stripper, wire cutter, knife, flat head screwdriver, Phillips screwdriver, scissors, file, saw, bottle opener, can opener, and key-chain

● Unit measures just 2½ inches when closed, weight: 3 ounces

Cat. No.	Supplied
3327	labtool, carrying case, key-chain

Permanent Marking Pen Assortment

No-smear pens can write on almost anything—perfect for marking samples

- Perfect for marking lab samples, microscope slides, photographic slides, glass and plastic beakers, and plastic sample bags
- Permanent ink dries quickly and is waterproof and fade proof
- Writes on all surfaces including glass, film, wood, plastic, metal, rubber, and porcelain

Cat. No.	Color and Quantity	Line width
3050	6 black, 2 red, 2 blue, 2 green	
3051	Black 6/pack	
3052	Red 6/pack	0.3 mm
3053	Blue 6/pack	
3054	Green 6/pack	

Scientific Technical Pen Assortment

Precision pens are perfectly balanced

- Smooth-flowing, fade-proof ink is patented formulation
- Available in narrow 0.2mm lines for sharp, precise and clear writing
- Instant-drying ink eliminates smearing and bleeding

Cat. No	Quantity	Line width	Color		Cat. No.	Quantity	Line width	Color
3041	6	0.2mm	Black			3	0.2mm	Black
3042	6	0.4mm	Black			3	0.4mm	Black
3043	6	0.2mm	Red			1	0.2mm	Red
3044	6	0.4mm	Red			1	0.4mm	Red
3045	6	0.2mm	Blue		3040	1	0.2mm	Blue
3046	6	0.4mm	Blue			1	0.4mm	Blue
3047	6	0.2mm	Green			1	0.2mm	Green
3048	6	0.4mm	Green			1	0.4mm	Green

TOP SELLER

Microscope Slide Holders/Cabinet

Numbered reference lines for any ID system

- Sort, classify, and arrange slides—slides stay clean, untouched
- Compatible with all makes of slides
- Tabbed, 3x5-inch cards with protective frame ensures safe and clean protection of specimens

Cat. No.	Quantity	Storage capacity
1008	12/pk	48 slides (3 x 1-inch slides)
1007	12/pk cards and 1 plastic box	48 slides
1009	1 each steel cabinet	100 slide holders (400 slides)
1075	1 each steel cabinet (2 drawers)	200 slide holders (800 slides)

1008   1009

Lab Label Maker™

Quickly/easily makes labels for chemicals, bottles, shelves, lab equipment

- Self-adhesive colored tape sticks to glass, plastic, metal, rubber, or wood
- Raised white letters on 0.375-inch wide tape are readable from 8 feet

Cat. No.	Description	Size	
1600	Lab Label Maker™ (supplied: 2 (red & blue) rolls of Label Tape)	—	—
Accessories			
1601	Lab Label Tape™ Black, 4 roll/pk	⅜" x 118 in.	9.5 x 3000 mm
1602	Lab Label Tape™ Red, 4 roll/pk	⅜" x 118 in.	9.5 x 3000 mm
1603	Lab Label Tape™ Blue, 4 roll/pk	⅜" x 118 in.	9.5 x 3000 mm
1604	Lab Label Tape™ Green, 4 roll/pk	⅜" x 118 in.	9.5 x 3000 mm

Mini-Dolly Folding Cart

Made from high-impact ABS plastic with chrome-plated steel durability

- Cart folds to a compact-size making it easy to store
- Super-glide wheels swivel for complete maneuverability
- Supplied with bungee cords

Cat. No.	Weight Capacity	Size
3080	265 lbs	Platform: 17¾ x 25½ inches

Aluminum Fold-Up Cart

Easily move heaviest lab chemicals, drum and glassware cases

- Folds up for easy storage to a compact briefcase-size
- Sturdy aluminum alloy construction
- Supplied with bungee cords
- Rubber bumpers on all corners protect walls from accidental nicks

Cat. No.	Weight Capacity	Size
3081	330 lbs	Handle (adjustable): 27 or 30 inches; platform extends: 18 to 28 inches; width: 16 inches

Aluminum Fold-Up Hand Truck

Folds to a compact size for easy storage

- Made of aluminum alloy
- Moves cartons, chemicals, gas cylinders easily
- Supplied with bungee cords

Cat. No.	Weight Capacity	Size
3082	220 lbs	28 inches (lower position) and 42 inches (extended) flip-down platform: 14 x 9½ inches

Illuminated Microscope

View slides at any site with a large viewing area

- Hand-held unit is perfect for inspection, quality control, field use, clinical observation, cloth/paper examination, and plant studies
- View slides in field with snap-on attachment
- Adjustable light source directs the bulb onto the exact area being examined
- Adjustable focus control knob allows for crisp viewing
- Supplied: battery, vinyl supply case (model 3356 only)

Cat. No.	Magnification	Features	Size/Weight
3355	60X to 100X	illuminated, snap-on slide holder	5½ x 1½ x ⅞ inches, 3 ounces
3356	30X	illuminated	5½ x 1½ x ⅞ inches 3 ounces

3355   3356

Illuminated Magnifiers

Powerful lighted magnifiers provide perfect-focus and defined view of surface details

- Features start-of-the-art LED lamps and provide even light over surface being observed
- Low-power consumption and high-efficiency lamps improve battery life and performance

Cat. No.	Magnification	Magnifying lens size	Features
3350	2X with 4X spot	3-inch diameter	illuminated, hand-held
3351	4X	1¾-inch diameter	illuminated, hand-held
3352	8X	1 inch diameter	non-illuminated, hand-held

3350   3351   3352

Magnifier Lamp (2x)

Sliding shutter cover provides lens protection when not in use

- Useful in inspection, electronics, quality control, sample examination, and biological analysis
- Brilliant LED light closely resembles daylight for optimal color detection and clarity
- Large viewing area (4 x 2½ inches) is easy to read and arm extension is 31 inches
- Clamps vertically or horizontally to top or side of any edge

Cat. No.	Magnification	Features
3358	2X	supplied with clamp to affix to any bench or table

Hands-Free™ Fold-up Magnifiers

White ruler markings in both inches and millimeters assist with measuring

- All glass optics assure perfect focus with zero distortion
- Designed specifically for use in quality control, labs, food, electronics, manufacturing
- Hands-Free™ Magnifiers allow two-handed examination of objects
- Folds up for compact storage

Cat. No.	Magnification	Lens Diameter	Lighted	Replacement Battery
3430	2.5 X	4⅜ inches	YES	1111, 4 each
3431	2.5 X	3½ inches	YES	1111, 4 each
3432	3.0 X	3 inches	NO	n/a
3433	3.5 X	2 inches	NO	n/a
3434	5.0 X	1¼ inches	NO	n/a
3435	7.0 X	⅞ inches	NO	n/a
3436	10.0 X	½ inches	YES	1105, 2 each

Hand Tally Counter

Counting made easy

- Numbers instantly and automatically return to zero with a twist of the reset knob
- Protective window seals out dust, dirt and humidity
- Corrosion-proof stainless-steel for long-life

Cat. No.	Counting quantity	Supplied
3125	9999	loop for lanyard

Touch-Counter™

One-touch operation saves time

- Combination of marker and digital counter designed for the lab and plant
- Simple operation—touch an item and it is marked and counted simultaneously
- Durable aluminum unit has an audible click, zero reset knob, 9999-digit counter
- Spring-actuated ink reservoir valve seals felt tip when not in use and prevents ink dry-out
- Pen marks hold place if interrupted—counter holds total

Cat. No.	Supplied
3130	1 each: black disposable pen
Accessories	
3131	1 each: black, red, blue, green, and yellow
3132	5 each: black

Counter-Pen™

The ideal cell growth colony counter

● Combination marker and digital counter designed for the lab and plant

● Sound and count occur simultaneously when black mark is made with felt-tipped pen

● Essential for counting cell growth on petri dishes, inventory parts, and tally samples received

● Pen marks hold place if interrupted and counter holds total

Cat. No.	Counting quantity	Size	Supplied
3133	99,999	6 x 0.66 inches	replaceable pen, cap, battery

Digital Counter

Fail-safe design eliminates accidental resetting

● Easy-to-read LCD and solid construction

● Hold in your hand or sits on the bench

● Case: o-ring-sealed, ABS plastic

Cat. No.	Counting quantity	Size	Supplied
3127	99,999	2.63 x 1.66 x 0.83 inches, weight: 1 ounce	battery

Digital Counter with Key-Chain/Wrist-Strap

Designed for easy-use and fail-safe counting

● ABS plastic construction with water-resistant seal

● Carry anywhere

Cat. No.	Counting quantity	Size	Supplied
3129	99,999	1⅞ x ½ inches, weight is less than an ounce	metal clip, wrist-strap, battery

Metric Converter

Change lab measurements to US or metric in an instant

● Fast and convenient

● Provides fast and accurate answers for 126 metric conversions

● Supplied: battery, automatic flip-open LCD cover, bench top stand

Cat. No.	Functions	Size
1000	converts: length, area, volume, weight, liquid, energy, and temperature	3 x 3¾ x ½ inches, weight: 2 ounces

Compact-Size Metric Converter

Converts length, area, volume, weight, liquid, energy, temperature

● Fast and convenient

● 126 types of metric conversions

● Supplied: battery, protective case

Cat. No.	Functions	Size
1001	converts: length, area, volume, weight, liquid, energy, temperature	4¼ x ½ x 2½ inches, weight: 1 ounce

Big-Digit Solar-Powered Calculator

Environmentally friendly, never again buy a battery

- Performs all arithmetic operations (add, subtract, multiply, divide), and features memory, percent, and floating decimal point
- Large digits allow effortless readings
- Supplied: solar-panel, battery, protective case design

Cat. No.	Functions
6023	add, subtract, multiply, divide, memory, percent, and floating decimal point

12 Digit Computer

Calculator displays the entire answer to 12 digits

- Oversized, raised keys and jumbo digits make it easy on fingers and eyes
- Twelve digits end rounding errors and confusing scientific notation
- Supplied: solar panel, battery

Cat. No.	Functions
6029	arithmetic calculation, percent, memory, floating decimal, ratios, and grand totals

Scientific Calculator

Performs over 50 scientific functions

- Scientific calculator performs 99% of lab's routine and not-so-routine calculations
- Three-key memory and forever-memory store data when the unit is off
- Supplied: solar-panel, battery, protective case design

Cat. No.	Functions
6024	memory, roots, logs, trigs, hex; statistical: standard deviation, mean, sum of squares, sum of data

Solar Desktop Calculator

Solar-powered unit can be read in any light

- Large 8 or 12-digit easy-to-read display is angled to eliminate reflected glare
- Supplied: solar-panel, battery

Cat. No.	Digits	Functions
6031	8	add, subtract, multiply, divide, percent, 3-key memory, square root, floating decimal point
6032	12	add, subtract, multiply, divide, percent, 3-key memory, square root, floating decimal point

Clipboard/Calculator

Perfect for keeping notes

- Clip securely holds forms, notes, and schedules
- Opening in back allows unit to be hung on wall
- Eight-digit, solar-powered calculator performs 99% of lab's routine calculations
- Calculator functions: add, subtract, multiply, divide, chain calculation, constants, powers, reciprocal values, percent calculations, square root, and memory
- Supplied: pen, Traceable® Certificate (only 3422)

3421   **3422**

Cat. No.	Description	Feature	Feature specifications
3421	Clipboard/Calculator with Measuring Tape	Retractable Tape Measure	Range: 60 inches and 150 cm
3422	Clipboard/Calculator with Traceable® Timer	Countdown Mode, Loud Beeping Alarm for 60 seconds Countdown, Stopwatch	Range: 100 hours to 1 second Resolution: 1 second Accuracy: 0.005%

Clear Plastic Lab Wrap

Ultra-clean film ensures sample purity and eliminates contamination

- Low tangle, high cling, ultra-clean film designed for lab
- Metal tear-off bar for ease in achieving exact size needed
- Unique flaps prevent roll from leaving box

Cat. No.	Dimensions
3470	12 inches wide x 100 feet

Flexible-Arm™ Light

Lamp moves in all directions and places light exactly where needed

- Beam closely resembles daylight for correct color detection
- Designed specifically to reduce distortion, increase contrast, and give visual clarity up to 40% greater than typical lamps

Cat. No.	Arm Length	Supplied	Weight
3095	20 inches	35-watt soft-white Halogen light, 7 pound 7 inch base, white reflector,	8 pounds
3096	31 inches		
Accessories			
3098	Replacement Halogen Bulb		

Accessories

Cat. No.	Description	Use with Cat. No.	Product Page No.
1523	**AC Adaptor, International—** Adaptor for continuous operation eliminating the need to replace batteries. Supplied with interchangeable blades.	4000	22
		4080/4085	48
		6412/6413	22
4071	**Accessory Battery Eliminator, Adaptor** 115 VAC/60 Hz adaptor for use when battery operation is not possible. (North America ONLY)	4163	57
		4070	57
4138	**Easy-Use Accessory Adaptor** 115 VAC adaptor for use when battery operation is not possible. (North America ONLY)	3251	63
		3252	63
		3253	64
		4132	23
		4169	58
		4310	62
		4320	62
4236	**AC Adaptor** For use when battery operation is not possible. (North America ONLY)	4000	22
		4080/4085	48
		6412/6413	22
4363	9V Adaptor (North America ONLY)	4360	58
4394	**33% Calibration Standard with calibration instructions**	4185/4385	49
4395	**75% Calibration Standard with calibration instructions**	4185/4385	49
8182	Replacement Printing Paper (pack of 2 rolls)	4100/4180	40/49
8183	AC Adaptor (North America ONLY)	4100/4180	40/49

Battery Information

Cat. No.	Description
1005	CR2032 lithium (coin)
1039	D357 or 357A alkaline button cell
1104	L736 alkaline button cell
1105	AAA alkaline
1107	CR-1616 lithium (coin)
1108	N-TYPE 1.5V
1111	AA alkaline
1112	9-Volt
1113	AAAA titanium

Traceable® Certificate assures accurate lab tests

All Traceable® products are provided with a Traceable® Calibration Certificate from our ISO/IEC 17025 calibration laboratory. Thermometer, timer, and humidity certificates are accredited by the American Association for Laboratory Accreditation (A2LA).

A2LA is widely recognized internationally through bilateral and multilateral agreements and through its participation in the International Laboratory Accreditation (ILAC) and Multilateral Recognition Arrangement (MRA). Through Control Company's A2LA Accreditation, Traceable® Certificates are internationally recognized by accreditation agencies, governments, industrial companies, biomedical companies, universities, and hospitals in over 75 countries throughout Europe, the Middle East, North America, South America, Asia, and Africa.

Traceable® Certificate indicates the product is traceable to standards provided by the National Institute of Standards and Technology (NIST), a U.S. Government agency within the Commerce Department. The Traceable® Certificate complies with ANSI/NCSL Z540-1.

Accredited by A2LA (The American Association for Laboratory Accreditation) dedicated to "one test accepted everywhere, one accreditation accepted everywhere". A2LA is your assurance of internationally recognized technical laboratory competence. A2LA is recognized by ILAC and MRA.

Displays catalog number for complete product reference

Calls out the test equipment used for calibration

Reports environmental conditions at the time of measurement

Spells out test uncertainty ratio and confidence level

Lists specific conditions that may affect product accuracy

Supplied from our ISO 9001 quality facility certified by DNV

Conforms to universally recognized ISO/IEC 17025 Standard, a requirement for any ISO 9000 quality facility

Establishes with reference numbers the unbroken chain of traceability to NIST

Displays serial number for total product identification

Spells out test uncertainty ratio and confidence level

Indicates Calibration Due Date

Specifies Calibration Date when the unit was tested

Signed by the Technical Manager

Provides measurement test results for your specific unit

Signed by the Quality Manager

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