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Scientific

**Your one-stop shop  
for all your basic  
measurement needs  
and more!**



LAB  SICS

*Over 17 Great New Products Inside!*

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We back up this outstanding service with a dedicated sales and management team and over 100 years of history and experience serving our customers.

## Thomas Scientific's Mission

Helping science create a better world by providing quality products with personal, timely and efficient service. Whether you work in a lab setting or perform your sampling and testing in the field, we have the products that you need. Thomas Scientific is proud to be a worldwide distributor of laboratory supplies, equipment and chemicals, serving the scientific community since 1900.

## Thomas® Brand

Thomas Scientific is proud to put our name on the supplies, equipment and chemicals you need everyday in your lab! When you're looking for Value, Quality and Reliability, find it all with Thomas Brand products!

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Our knowledgeable sales staff is backed by industry experienced management. All are dedicated to helping you choose the right products to grow your business. Through Direct, Field and International Sales, we can fulfill the needs of customers throughout the world.

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- Resource for the researcher
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- Convert quotations to orders
- Set up multiple shipping and billing locations
- Ariba, SciQuest and Mercury Punchout Enabled

## Personalized Service

Friendly and dedicated customer service representatives. We offer competitive prices and ship over 98% of domestic orders for in-stock items the same day.

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## Traceable® Extra, Extra Large Digit Countdown Timer **NEW**

Extra, Extra large digits 1.5" high can be seen from across the lab

- Times up to 99 minutes, 59 seconds, 1 second resolution
- Automatic Bounceback™ Memory for repetitive timing
- Accuracy: 0.01%
- Counts up in stopwatch mode, countdowns and alarms on single channel in timer mode
- Supplied: wall mount, clip, stand, magnetic back, battery, and Traceable® Certificate
- Size: 3½ x 2¾ x 1", weight: 2¾ ounces

### Traceable to NIST for accuracy

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



#### Thomas No. Description

1208T79 Traceable® Extra, Extra Large Digit Countdown Timer

## TIMER CHART

Thomas No.	Page No.	Traceable® Certificate Supplied	Accuracy	Maximum Time	Resolution	Channels	Countdown/ Countup	Clock	Memory	Features
1208T79	3	Yes	0.01%	100 Minutes	1 Second	1	down/up	No	Yes	EXTRA-LARGE Digits
1229S19	4	Yes	0.01%	100 Hours	1 Second	4	down/up	Yes	Yes	Colorful frames supplied
1222W23	4	Yes	0.01%	100 Minutes	1 Second	1	down/up	No	Yes	Adjustable alarm volume
1222W24	4	Yes	0.01%	100 Hours	1 Second	2	down/up	No	Yes	Adjustable alarm volume
9371W13	5	Yes	0.001%	100 Hours	1 Second	3	down/up	Yes	Yes	Continuous alarm
9371T60	5	Yes	0.001%	10 Hours	1 Second	3	down/up	No	Yes	3 timing channels
1235D56	5	Yes	0.01%	24 hours	1 second	2	down/up	Yes	Yes	Ultra-compact
9371W22	5	Yes	0.01%	24 Hours	1 Second	2	down/up	Yes	Yes	Jumbo display black
9371W24	5	Yes	0.01%	24 Hours	1 Second	2	down/up	Yes	Yes	Jumbo display white
9371W52	6	Yes	0.01%	100 Hours	1 Second	4	down/up	Yes	Yes	4-channel countdown/up
9371W28	6	Yes	0.01%	100 Hours	1 Second	2	down/up	Yes	Yes	100-decibel alarm
9371W54	6	Yes	0.01%	100 Hours	1 Second	6	down/up	Yes	Yes	Easy to program
9371W18	6	Yes	0.01%	20 Hours	1 Second	3	down/up	Yes	Yes	Triple-display
1235D46	7	Yes	0.01%	100 Hours	1 Second	3	down/up	Yes	Yes	3-line display
9371W16	7	Yes	0.01%	24 Hours	1 Second	2	down/up	Yes	Yes	2-channel countdown
1235D53	7	Yes	0.01%	20 Hours	1 Second	2	down/up	Yes	Yes	Two-line display
1231E67	8	Yes	0.01%	9999 Minutes	1 Second	1	down/up	No	Yes	Times up, Flashing LED
9371W56	8	Yes	0.01%	100 Hours	1 Second	1	down/up	No	Yes	Numbered keys
8788T36	8	Yes	0.01%	100 Minutes	1 Second	1	down/up	No	No	Numbered keys
9371W39	9	Yes	0.01%	24 Hours	1 Second	1	down/up	Yes	Yes	Compact all-in-one
9371W58	8	Yes	0.01%	100 Minutes	1 Second	1	down/up	No	Yes	Easy to use
9371W41	9	Yes	0.01%	24 Hours	1 Second	1	down/up	Yes	Yes	Lab-top
9371W19	9	Yes	0.01%	24 Hours	1 Minute	1	down	No	Yes	Memory
1235D47	9	Yes	0.01%	100 Minutes	1 Second	1	down	No	Yes	Automatic memory
9371W62	9	Yes	0.01%	10 Hours	1 Second	1	down/up	Yes	Yes	Clock, timer, stopwatch
9371Y45	10	Yes	0.01%	24 Hours	1 Second	1	down/up	Yes	Yes	Repeat countdown and talking
9371R35	10	Yes	0.01%	100 Hours	1 Second	1	down/up	No	Yes	Clips to everything
9371W38	10	Yes	0.01%	20 Hours	1 Minute	1	down	No	No	Easy 3-key operation
1235D51	10	Yes	0.01%	100 Minutes	1 Second	1	down	No	Yes	Memory
1235D50	11	Yes	0.01%	20 Hours	1 Minute	1	down/up	No	Yes	Key-chain
9371W17	11	Yes	0.01%	20 Hours	1 Minute	1	down	No	No	Postage stamp size
9371W14	11	Yes	0.01%	100 Hours	1 Second	1	down/up	No	No	Key-chain/clock
9371W37	11	Yes	0.01%	24 Hours	1 Second	1	down/up	Yes	Yes	Lanyard
1235D48	12	Yes	0.01%	100 Minutes	1 Second	1	down	No	Yes	Water-resistant
9371W60	12	No	n/a	120 Minutes	1 Minute	n/a	down	No	No	Compact-mechanical
1235D54	12	No	n/a	60 Minutes	1 Minute	n/a	down	No	No	Magnet and lanyard
1235D55	12	No	n/a	60 Minutes	1 Minute	n/a	down	No	No	Lanyard/ key-chain



## Traceable® Multi-Colored™ Timer

Show your distinctive style with customized bold colors

- 4 channels, plus Automatic Bounceback™ memory
- Three-colorful supplied frames permit personalization
- Times up to 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, audible alarm, clock (12/24 hour)
- Size: 2¾ x 2¼ x ½-inch, weight: 2¾ ounces
- Supplied: stand, magnet, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1229S19	Traceable® Multi-Colored™ Timer

## Traceable® Flashing LED Alert Big-Digit Alarm Timer

Massive, 1-inch-high display permits viewing from across the lab

- 1 channel, programmable memory
- Timing range: 99 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Green light flashes every second when countdown time reaches 10 seconds
- Red light flashes when zero has been reached and the alarm is sounding
- Adjustable alarm volume three settings: normal, quiet, and silent (LED flashing)
- Size: 3½ x 2¼ x ⅝ inches, weight: 2½ ounces
- Supplied: battery, stand, magnetic back, spring clip, opening for lanyard, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1222W23	Traceable® Flashing LED Alert Big-Digit Alarm Timer

## Traceable® Flashing LED Big-Digit Dual Channel Timer

Memory allows setting 2 countdown times

- 2 channel, programmable memory
- Timing range: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Green light flashes every second when countdown time reaches 10 seconds
- Red light flashes when zero has been reached and the alarm is sounding
- Adjustable alarm volume three settings: normal, quiet, and silent (LED flashing)
- Size: 3½ x 2¼ x ⅝ inches, weight: 2½ ounces
- Supplied: battery, stand, magnetic back, spring clip, opening for lanyard, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1222W24	Traceable® Flashing LED Big-Digit Dual Channel Timer



## Traceable® Nano™ Timer

### Ultra small size

- 2 channels, plus memory
- Timing range: 23 hours, 59 minutes, 59 second
- Resolution: 1 second
- Accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2½ x 2 x ½ inches, weight: 2½ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D56	Traceable® Nano™ Timer



## Traceable® Three-Channel Alarm Timer

### Adjustable alarm volume and duration

- 3 channels, plus memory
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.001%
- Count-up/down, clock
- Individually or simultaneously starts 3 channels
- Size: 3¼ x 3 x 1-inch, weight: 3 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W13	Traceable® Three-Channel Alarm Timer

## Traceable® Jumbo Timer

### One-inch high LCD digits

- 2 channels, plus memory
- Timing capacity: 24 hours to 1 second
- Resolution: 1 second
- Accuracy: 0.01%
- Count up/down, clip, magnet
- Size: 3¼ x 5½ x ½-inch, weight: 5 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W22	Traceable® Jumbo Timer (Black)
9371W24	Traceable® Jumbo Timer (White)

## Traceable® Original Lab Timer

### Friendly operation makes it the lab's most desirable timer

- 3 channels
- Timing capacity: 9 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.001%
- Count up/down, clock
- Size: 3 x 3 x 1¾ inches, weight: 4 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371T60	Traceable® Original Lab Timer

## Traceable® Four-Channel Alarm Timer

Perfect timer to dedicate to repetitive tests

- 4 channels, plus memory
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2¾ x 2½ x ½-inch, weight: 2 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W52	Traceable® Four-Channel Alarm Timer



## Traceable® 100-Hour Timer

Counts down through zero

- 6 channels, plus memory
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2¾ x 2¾ x ½-inch, weight: 1½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W54	Traceable® 100-Hour Timer

## Traceable® Triple-Display Timer

Magnetic back allows timer to be placed on any metal surface

- 3 channels, plus memory
- Timing capacity: 19 hours, 59 minutes, 59 seconds to 1 second
- Resolution: 1 second
- Accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2½ x 3¾ x ⅞-inch, weight: 3 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W18	Traceable® Triple-Display Timer



## Traceable® Extra-Extra-Loud Timer

Perfect for high sound zones—indoors and out, 100 decibels

- 2 channels, plus memory
- Timing capacity: 99 hours, 59 minutes, 59 seconds to 1 second
- Resolution: 1 second
- Accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 4 x 2½ x ½-inch, weight: 5 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W28	Traceable® Extra-Extra-Loud Timer



## Traceable® Three-Alarm Timer

Memory returns display to previous programmed time

- 3 channels, plus memory
- Timing capacity: 99 hours, 59 minutes, 59 seconds to 1 second
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2 x 3¼ x ½-inch, weight: 3 ounces

Traceable to NIST for accuracy

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

Thomas No.	Description
1235D46	Traceable® Three-Alarm Timer

## Traceable® Two-Memory Timer

Features a TIME'S UP message

- 2 channels, plus memory
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2¾ x 2½ x ⅞-inch, weight: 1⅞ ounces

Traceable to NIST for accuracy

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



## Traceable® GIANT-DIGIT™ Countdown Timer

View giant-size digits on your bench timer from across the lab

- 1½-inch high LCD digits, viewable from 50 feet
- 1 channel, plus memory
- Times up to 99 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down alarm
- Size: 3½ x 3 x ½-inch, weight: 2¾ oz.
- Supplied: clip, stand, magnet, battery, Traceable® Certificate

Traceable to NIST for accuracy

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

Thomas No.	Description
1229S18	Traceable® GIANT-DIGIT™ Countdown Timer

## Traceable® Double Display Timer

ABS impact-resistant case

- 2 channels, plus memory
- Timing capacity: 20 hours to 1 second
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down/clock; stand; magnet
- Size: 3 x 2½ x ½-inch, weight: 3 ounces

Traceable to NIST for accuracy

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



Thomas No.	Description
1235D53	Traceable® Double Display Timer



## Traceable® Alarm Timer/Stopwatch

### Numbered keys (0-9) for easy programming

- 1 channel
- Timing capacity: 99 minutes, 99 seconds to zero
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, clip, stand, magnet
- Size: 2½ x 2¼ x ½-inch, weight: 1½ ounces

### Traceable to NIST for accuracy

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



## Traceable® 100-Hour Mini-Alarm Timer/Stopwatch

### Keys speed up time setting

- 1 channel, plus memory
- Timing capacity: 99 hrs, 59 mins, 59 secs
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down; stand; magnet
- Size: 2¾ x 2¾ x ½-inch, weight: 1½ ounces

### Traceable to NIST for accuracy

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

## Traceable® Continuous Visual Alarm Timer

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

- 1 channel
- Timing capacity: 9999 minutes to zero
- Resolution: 1 second to 1 minute, accuracy: 0.01%
- Count-up/count-down; stand; magnet
- Size: 3 x 2¼ x ¾ inches, weight: 3 ounces



### Traceable to NIST for accuracy

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

### Thomas No. Description

9371W56	Traceable® 100-Hour Mini-Alarm Timer/Stopwatch
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### Thomas No. Description

1231E67	Traceable® Continuous Visual Alarm Timer
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## Traceable® Fingertip™ Timer

### Alarm sounds for 30 seconds

- 1 channel, plus memory
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down, magnet
- Size: 1⅓ x 3½ x ½-inch, weight: 1¼ ounces

### Traceable to NIST for accuracy

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



### Thomas No. Description

9371W58	Traceable® Fingertip™ Timer
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## Traceable® 99M/59S Timer

### Automatic memory for repeating tests

- 1 channel, plus memory
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Count-down; stand; magnet
- Size: 2½ x 2½ x ½-inch, weight: 2 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D47	Traceable® 99M/59S Timer



## Traceable® Lab-Top Timer

### Special memory chip allows repeat countdown timing

- 1 channel, plus memory
- Timing capacity: 24 hrs to 1 sec
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down/clock
- Size: 3¼ x 3¼ x ¾-inch, weight: 4 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W41	Traceable® Lab-Top Timer

## Traceable® Memory Timer

### Simple 3-key operation

- 1 channel, plus memory
- Timing capacity: 24 hours to 1 minute
- Resolution: 1 minute, accuracy: 0.01%
- Count-down; stand; magnet
- Size: 2¾-inches diameter x ½-inch, weight: 1 ounce



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W19	Traceable® Memory Timer

## Traceable® Triple-Purpose Timer

### Displays countdown alarm time, stopwatch time, and time of day

- 1 channel, plus memory
- Timing capacity: 9 hrs, 59 mins, 59 secs
- Resolution: 1 second
- Accuracy: 0.01%
- Count-up/count-down; stand; magnet
- Size: 3 x 2½ x 1-inch, weight: 2½ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W62	Traceable® Triple-Purpose Timer

## Traceable® Advanced Memory Timer

### Perfect to dedicate to a specific test/instrument

- 1 channel, plus memory
- Timing capacity: 24 hrs to 1 sec
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down/clock; stand; magnet
- Size: 2¼ x 2¼ x ½-inch, weight: 1½ ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
9371W39	Traceable® Advanced Memory Timer



## Traceable® Instant-Recall Memory Timer

**Ideal timer to dedicate to a routinely tests**

- 1 channel, plus memory
- Timing capacity: 99 minutes 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count-down; stand; magnet
- Size: 2½ x 2¼ x ¾-inch, weight: 2 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D51	Traceable® Instant-Recall Memory Timer

## Traceable® Talking Timer

**It talks**

- 1 channel, plus memory
- Timing capacity: 23 hrs, 59 mins, 59 secs
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down; stand; magnet; repeat timing
- Size: 2½ x 3¼ x ½-inch, weight: 2¼ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371Y45	Traceable® Talking Timer

## Traceable® QC Timer

**Simple 3-key use and large digits for easy viewing**

- 1 channel
- Timing capacity: 20 hours to 1 minute
- Resolution: 1 minute, accuracy: 0.01%
- Count-down; clip; magnet
- Size: 3½ x 2 x ½-inch, weight: 2 ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W38	Traceable® QC Timer



## Traceable® Clip-it™ Timer

**Small, easy to use, and clips to anything**

- 1 channel, with alarm
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down
- Size: 2 x 1½ x ½ inches, weight: ½ ounce
- Supplied: clip, magnet, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371R35	Traceable® Clip-it™ Timer (patent pending)



## Traceable® Key-Chain Timer

Unique timer is easy to use

- 1 channel
- Timing capacity: 19 hours, 59 minutes
- Resolution: 1 minute, accuracy: 0.01%
- Count-up/count-down
- Size: 2 x 1½ x ¾-inch, weight: ¾ ounce

Traceable to NIST for accuracy

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

Thomas No.	Description
1235D50	Traceable® Key-Chain Timer

## Traceable® Digital Timer Plus

Small, easy to use, and clips to anything

- 1 channel, with alarm
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second, accuracy: 0.01%
- Count up/down
- Size: 2 x 1½ x ½ inches, weight: ½ ounce
- Supplied: key-chain, clip, magnet, battery, Traceable® Certificate

Traceable to NIST for accuracy

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



Thomas No.	Description
9371W14	Traceable® Digital Timer Plus

## Traceable® Touch Timer

Two-key operation makes it extremely easy to use

- 1 channel
- Timing capacity: 19 hours, 59 minutes
- Resolution: 1 minute, accuracy: 0.01%
- Count-down
- Size: 1 x 1¾ x ¼-inch, weight: ½ ounce

Traceable to NIST for accuracy

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



Thomas No.	Description
9371W17	Traceable® Touch Timer

## Traceable® Tie™ Timer

36-inch lanyard, lightweight, with 3-key operation

- 1 channel, plus memory
- Timing capacity: 24 hours to 1 second
- Resolution: 1 second, accuracy: 0.01%
- Count-up/count-down/clock
- Size: 1½ inches diameter x 2¾ inches length, weight: less than one ounce

Traceable to NIST for accuracy

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

Thomas No.	Description
9371W37	Traceable® Tie™ Timer





## Compact Timer

Easy wind-up timer for 1-step setting

- 1 channel
- Timing capacity: zero to 120 minutes
- Count-down; alarm rings for 5 seconds
- Size: 2¾ x 2¾ x 2 inches, weight: 3½ ounce

Thomas No.	Description
9371W60	Compact Timer



## SX-Timer™ Quick-Timer™

Portable timers—no batteries required

- Timing capacity: 0 to 60 minutes
- Count-down; alarm rings for 5 seconds
- Both units supplied with carabiner and lanyard

Thomas No.	Description
1235D54	Quick-Timer™ (above right)

(blue/white, with magnet on back, diameter 2½ x 1 inches, weight: 3 oz.)

Thomas No.	Description
1235D55	SX-Timer™ (above left)

(translucent blue/white, diameter 2¼ x 1 inches, weight 2¼ oz.)

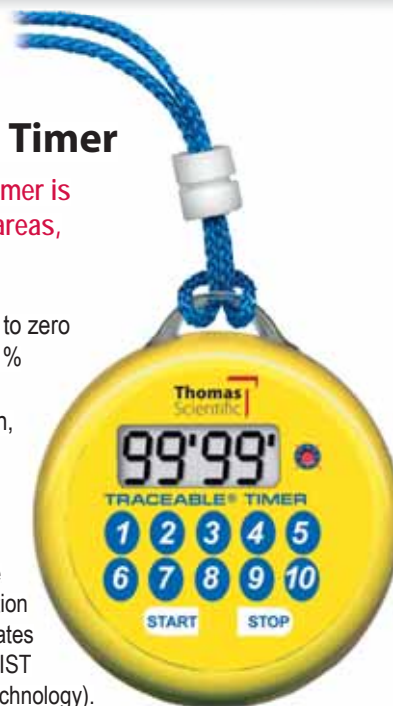
## Traceable® Water-Resistant, Flashing Timer

Splash-proof, water-resistant timer is ideal for wet labs, wash-down areas, plants, and field use

- 1 channel, count-up/count-down
- Timing capacity: 99 min, 59 secs to zero
- Resolution: 1 sec, accuracy: 0.01%
- Audible alarm/flashing LED
- Size: 3 inches dia. x ½-inch depth, weight: 1½ ounce

Traceable to NIST for accuracy

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



Thomas No.	Description
1235D48	Traceable® Water-Resistant, Flashing Timer

## Traceable® Pocket Timer

Portable, durable timer weighs less than ½ ounce

- Timing range: 1 min to 20 hrs
- Resolution: 1 minute, accuracy: 0.015%
- Count-up/down; stopwatch mode
- Rugged, chemical-resistant ABS case, key-chain, and battery
- Size: 2 x 1½ x ¾ inches, weight: ½ ounce

Traceable to NIST for accuracy

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



Thomas No.	Description
9371R28	Traceable® Pocket Timer

## Workstation, Traceable® Radio-Controlled Atomic Clock

### Ideal for bench-top

#### Clock Features

- NIST Radio signal atomic clock automatically adjusts for daylight savings time, leap year, even the earth's wobble in leap seconds
- Resolution: 1 sec, accuracy: 1/10,000 of a second

#### Temperature Features

- Temperature range: 32 to 158°F and 0 to 50°C
- Resolution: 0.1°C, accuracy: ±1°C
- Size: 2½ x 3 x 1½ inches, weight: 4 ounces, battery supplied

#### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D52	Workstation, Traceable® Radio-Controlled Atomic Clock

## Traceable® Atomic Clock

### Backlighting for viewing in dark places

#### Clock Features

- NIST Radio signal atomic clock automatically adjusts for daylight savings time, leap year, even the earth's wobble in leap seconds
- Resolution: 1 second, accuracy: 1/10,000 of a second

#### Temperature Features

- Temperature range: 32 to 158°F and 0 to 50°C
- Resolution: 0.1°C, accuracy: ±1°C
- Size: 4½ x 4¼ x 2½ inches, weight: 6 ounces, battery supplied

#### Traceable to NIST for accuracy

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



Thomas No.	Description
3049U50	Traceable® Atomic Clock

## Traceable® Jumbo-Digit Compact Radio-Controlled Wall Clock

**NEW**

Jumbo sized 3¾ inch clock digits are readable from up to 100 feet

### Clock Features

- NIST Radio signal atomic clock automatically adjusts for daylight savings time, leap year, even the earth's wobble in leap seconds
- Calendar displays month/date and day of the week
- Resolution: 1 second, accuracy: 1/10,000 second

### Temperature Features

- Temperature range: 23 to 122°F (–5 to 50°C), resolution: 0.1°, accuracy: ±1°C
- Size: 9 x 5 x 1¼ inches, weight: 15 ounces
- Supplied: wall mount, bench stand, batteries, Traceable® Certificate



### Traceable to NIST for accuracy

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

## Traceable® GIANT-DIGITS™ Radio Atomic Clock

View giant-size digits from anywhere with desk/wall mount

### Clock Features

- NIST Radio signal atomic clock automatically adjusts for daylight savings time, leap year, even the earth's wobble in leap seconds
- Resolution: 1 second, accuracy: 1/10,000 of a second
- Giant-Digits™ 4¾ inches for model 1229S16; viewable from 200 feet, model 1229S17 2¼ inches digit height
- Supplied: remote module, stand, wall bracket, screws, batteries, Traceable® Certificate

### Temperature Features

- Temperature range: 23 to 122°F (–5 to 50°C)
- Resolution: 0.1°

### Humidity Features (1229S17 only)

- Relative humidity range: 20 to 90% RH
- Resolution: 1%

### Traceable to NIST for accuracy

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



### Thomas No. Description

**1229S16** Traceable® GIANT-DIGITS™ Radio Atomic Clock

(displays ambient/remote temperature) Size: 16½ x 10½ x 1¼ inches

**1229S17** Traceable® GIANT-DIGITS™ Radio Atomic Clock

(displays ambient/remote temperature and humidity) Size: 11½ x 7¾ x 1 inches



## Traceable® Digital Radio Atomic Wall Clock

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

### Clock Features

- Resolution: 1 second, accuracy: 1/10,000 of a second
- Date/day/temperature

### Temperature Features

- Temperature range: 32 to 122°F (0 to 50°C)
- Resolution: 0.1°
- Size: 8¾ x 9¼ x 1-inch, weight: 1½ pounds, battery supplied

### Traceable to NIST for accuracy

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



## Traceable® Analog Radio Atomic Wall Clock

Large numbers and bright, sweeping second hand is highly visible

- Analog
- Resolution: 1 second
- Accuracy: 1/10,000 of a second
- Automatic daylight savings time
- Size: 12 inches x 1¼ inches, weight: 1¾ pounds, battery supplied

### Traceable to NIST for accuracy

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

## Traceable® Stick-It™ Mini-Clock

Perfect for work area

- White timing hands give superior visibility
- Resolution: 1 second
- Quartz-crystal accuracy: ±0.013%
- Flat bottom permits standing on shelf, desk or bench
- Mini-size 1.6 inches dia. x 0.3-inch depth
- Supplied: Velcro™, double-sided tape, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
3049540	Traceable® Digital Radio Atomic Wall Clock

Thomas No.	Description
3049545	Traceable® Analog Radio Atomic Clock

## Traceable® Indoor/Outdoor Clock

Ideal for washdown areas and nasty environments

### Clock Features

- Resolution: 1 second, accuracy: ±0.01%
- O-ring sealed, waterproof ABS impact-resistant case

### Temperature Features

- Temperature range: -4 to 104°F (-20 to 40°C)
- Accuracy: ±1.5°C
- Size: 7 inch dia., dial: 5 inches, weight: 12 ounces
- Supplied: wall mount, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
3049550	Traceable® Indoor/Outdoor Clock

## Traceable® Calendar/Thermometer/Clock

Clock has stylish 2-tone color and slim silhouette for easy mounting

### Clock Features

- Digital
- Resolution: 1 minute
- Accuracy: 0.01%
- Date/day/temperature

### Temperature Features

- Range: -5 to 50°C and 23 to 122°F
- Resolution: 0.1°C
- Size: 9¼ x 10 x 1-inch, weight: 19 ounces, battery supplied

### Traceable to NIST for accuracy

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



Thomas No.	Description
3049N60	Traceable® Calendar/Thermometer/Clock

## Traceable® Clock/Thermometer/Humidity

Bright, sweeping hands for easy viewing

### Clock Features

- Analog
- Resolution: 1 second
- Accuracy: 0.01%
- Temperature/humidity

### Temperature Features

- Temperature range: -20 to 55°C and 10 to 130°F
- Resolution: 1°C

### Humidity Features

- Relative humidity range: 0 to 100%
- Resolution: 2%
- Size: 12½-inch diameter, weight: 1 pound, battery supplied



## Traceable® Clock/Thermometer/Humidity

Ultra-modern, state-of-the-art clock

### Clock Features

- Resolution: 1 second
- Accuracy: 0.01%
- Date/temperature/humidity
- Clock dial is 9 inches

### Temperature Features

- Range: -34 to 116°F and -37 to 47°C
- Resolution: 2°C

### Humidity Features

- Range: 8 to 92%RH
- Resolution: 2%
- Humidity/temperature dial Size: 3 inches
- Size: 12½ x 11 x 1-inch, weight: 1½ pounds, battery supplied

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

Thomas No.	Description
3049S55	Traceable® Clock/Thermometer/Humidity

Thomas No.	Description
3049S30	Traceable® Clock/Thermometer/Humidity



## Traceable® Digital Stopwatch

### Tongue and groove craftsmanship

- Accuracy: 0.0005%
- Resolution: 0.01 second
- Timing functions: single line display, time-in/time-out, continuous time, cumulative and interval split
- Size: 2½ x 3 x ¼-inch; lanyard is 40 inches, weight: 2½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
8788T52	Traceable® Digital Stopwatch



## Traceable® Dual Display Digital Stopwatch

### Dual display shows cumulative and interval splits simultaneously

- Accuracy: 0.0005%
- Resolution: 0.01 second
- Timing functions: single-action, time-out, interval-split, cumulative split, and continuous roll-over timing
- Size: 2½ x 3 x ¼-inch; lanyard is 40 inches, weight: 2½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C25	Traceable® Dual Display Digital Stopwatch



## Traceable® Decimal Stopwatch

### Triple display with eight recallable memories

- Accuracy: 0.0005%
- Resolution: 0.01 second
- Timing functions: single-action, time-out, interval-split, cumulative split, and continuous roll-over timing
- Triple display shows cumulative splits, interval splits, and running time. Features eight recallable memories. Decimal timer's four timing formats/resolution are hr/min/sec 1/100,000 hr; 1/1000 min; 1/100 second. Maximum readouts are 9.99999 hours or 999.999 minutes or 99999.99 seconds or 9 hr/59 min/59 sec/99 hundredths
- Size: 2½ x 3 x ¼-inch; lanyard is 40 inches, weight: 2½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
8788T56	Traceable® Decimal Stopwatch



## Traceable® Stopwatch/Chronograph

### Large keys for easy programming

- Accuracy: 0.001% or 0.01%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/out, cumulative-split, and continuous timing
- Size: 2 $\frac{3}{8}$  x  $\frac{5}{8}$ -inch, weight: 1 $\frac{1}{2}$  ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
8788T40	Traceable® Stopwatch/Chronograph Ultra	0.001%
8788T61	Traceable® Stopwatch/Chronograph	0.01%



## Traceable® Big-Digit Stopwatch/Chronograph

### Contains a six-digit display and hourly chime

- Accuracy: 0.001%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/out, cumulative-split, and continuous timing
- Size: 2 $\frac{3}{8}$  x  $\frac{5}{8}$ -inch, weight: 1 $\frac{1}{2}$  ounces

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

Thomas No.	Description
1235C27	Traceable® Big-Digit Stopwatch/Chronograph



## Traceable® Waterproof/Shockproof Stopwatch

### Waterproof to three atmospheres

- Accuracy: 0.01%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/out, cumulative-split, and continuous timing
- Size: 2 $\frac{1}{8}$  x 2 $\frac{3}{8}$  x  $\frac{1}{2}$ -inch, weight: 1 ounce

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

Thomas No.	Description
8788V77	Traceable® Waterproof/Shockproof Stopwatch



## Traceable® Three-Key Stopwatch

### The first disposable stopwatch

- Accuracy: 0.1%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/out, cumulative-split, and continuous timing
- Size: 2 $\frac{1}{8}$  x  $\frac{5}{8}$ -inch, weight: 1 ounce

### Traceable to NIST for accuracy

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

Thomas No.	Description
8788T34	Traceable® Three-Key Stopwatch



## Traceable® 300-Memory Stopwatch

O-ring seal and non-skid rubber sides, ideal for lab and plant use

- Detachable clip
- Accuracy: 0.001%, resolution: 0.01 second
- Timing capacity is 10-hours
- Timing functions: single-action, time-in/out, continuous-timing, cumulative-split, interval-split, 300-memories, and repetitive programmable
- Size: 3 x 2½ x ¾-inch, weight: 2½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
8788T58	Traceable® 300-Memory Stopwatch

## Traceable® 60-Memory Stopwatch

Shows longest, shortest, and average times

- Accuracy: 0.001%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single action, time-in/out, continuous timing, cumulative split, interval split, 60 memories, and programmable timing
- Size: 2½ x 2½ x ¾-inch, weight: 2 ounces

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



Thomas No.	Description
8788W75	Traceable® 60-Memory Stopwatch

## Traceable® Water-/Shock-Resistant Stopwatch

Tactile-feel, "click" switches provide a positive action

- Accuracy: 0.001%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/out, continuous-timing, and cumulative-split
- Size: 2½ x 2½ x ½-inch, weight: 1 ounce

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



Thomas No.	Description
1235C26	Traceable® Water-/Shock-Resistant Stopwatch

## Traceable® Jumbo-Digit Stopwatch

Half-inch high digits for easy viewing

- Detachable clip
- Accuracy: 0.001%, resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-out, cumulative-split, and continuous timing
- Size: 3 x 2½ x ¾-inch, weight: 2½ ounces

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

Thomas No.	Description
8788T38	Traceable® Jumbo-Digit Stopwatch



## Traceable® Countdown Stopwatch

Manual dial on face for instant programming

- Accuracy: 0.01%
- Resolution: 0.01 second
- Timing capacity is 24-hours
- Timing functions: single-action, time-in/-out, cumulative/interval-split, continuous timing, and countdown
- Size: 2½ x ¾-inch, weight is 1½ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
8788T64	Traceable® Countdown Stopwatch



## Traceable® Bench Timer

Times twelve events simultaneously

- 12 channels
- Timing capacity: 99 hrs, 59 min, 59 sec, 99 hundredths; 99999.999 secs; 9999.9999 mins; and 999.99999 hrs
- Resolution: 0.001 second
- Accuracy: 0.001%
- Count-up with settable alarm
- Timing functions: single-action, time-in/-out, cumulative-split, interval-split
- Size: 6¾ x 4¾ x 3½ inches, weight: 1 pound

### Traceable to NIST for accuracy

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

Thomas No.	Description
9371W30	Traceable® Bench Timer

## Traceable® Digital Bench Top Timer

Four millimeter input leads for external electronic timer triggering



- 1 channel
- Timing capacity: 9 hr, 59 minutes, 59 seconds, and 99 hundredths of a second
- Resolution: 0.01 second, accuracy: 0.001%
- Count-up
- Timing functions: single-action, time-in/time-out, continuous timing, cumulative split, and interval split
- Size: 4 x 4¼ x 1¾ inches, weight: 7 ounces

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Fulfills ISO 9000 needs, lab certification requirements, and governmental demands.

Thomas No.	Description
1235C28	Traceable® Digital Bench Top Timer



## Traceable® Eight-Channel Alarm Timer

Alarm is adjustable from whisper to ear piercing for wide range of use

- 8 channels
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second,
- Repeat timing
- Count-up/count-down/clock
- Size: 6½ x 4¼ x 3½ inches, weight: 16 ounces

Thomas No.	Description
9371W21	Traceable® Eight-Channel Alarm Timer





## Traceable® Countdown Controller

**Counts down from 23hrs, 59min, 59sec**

- Set hrs., min., and sec.
- 196 switchings
- Timing accuracy: 0.01%
- CSA-and NTRL-C-rated
- Size: 4 3/8 x 2 1/8 x 1 3/4 inches, weight: 5 1/2 ounces

**Traceable to NIST for accuracy**

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

Thomas No.	Description
9373E70	Traceable® Countdown Controller

## Traceable® Temperature Controller

**Control heating elements, cooling blocks, hot plates, heating mantles, and a variety of other uses**

- Temperature range: -4 to 140°F and -20 to 60°C, accuracy: ±1°C, resolution: 0.1°
- Set temperature to turn on/off any appliance
- Three time switches
- Timing accuracy: 0.01%
- Size: 2 3/4 x 5 1/2 x 1 1/4 inches, weight: 1 pound

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability for temperature only to standards provided by NIST (National Institute of Standards and Technology).



Thomas No.	Description
9339A25	Traceable® Temperature Controller



## Traceable® Outlet Controller

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

- 1/3 horsepower
- CSA-and NTRL-C-rated
- Battery backup
- Timing accuracy: 0.01%
- Size: 2 x 4 x 3 1/2 inches, weight: 5 1/2 ounces

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

Thomas No.	Description
9373M13	Traceable® Outlet Controller

## 7-Day Traceable® Controller

**Controller will turn equipment on and off in intervals as short as 1 minute or as long as 168 hours**

- 52 switchings per week
- CSA-and NTRL-C-rated
- Program day and AM/PM time
- Timing accuracy: 0.01%
- Size: 9 1/2 x 2 3/4 x 1 1/2 inches, weight: 1 pound

**Traceable to NIST for accuracy**

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

Thomas No.	Description
9373M19	7-Day Traceable® Controller





## Traceable® Lab Controller

Countdown, repeat function for continuous on/off switching

Traceable to NIST for accuracy

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

Thomas No.	Description
9373D16	Traceable® Lab Controller

### Performance Chart

<b>Power</b>	125 VAC, 50/60 Hz, 3-pronged grounded plug
<b>Switching Capability</b>	125 VAC, 50/60 Hz, 15 amps, 1875 watts
<b>Timing Accuracy</b>	0.01 sec
<b>Cycle Duration</b>	Minimum 1 sec, maximum 168 hr
<b>On/Off Programs</b>	1568 per week, 224 per day
<b>Display</b>	6-digit, 1/2-inch-high LED
<b>Case</b>	Impact-resistant ABS plastic
<b>Size</b>	6½ x 4¾ x 3½ inches
<b>Weight</b>	2 pounds

## Traceable® Walkaway™ Count-up Controllers

Program setting in less than 5 seconds

- Model 1: ON interval setting .01 second to 99.99 seconds; 1 minute to 9999 minutes; or 1 hour to 9999 hours
- Timing accuracy: 0.01%
- 1/3 horsepower
- 120 VAC, 15 amps, 1800 watts
- Size: 6 x 2¾ x 3¾ inches, weight: 12 ounces
- Model 2: separate ON and OFF interval settings 1 second to 99 seconds; 1 minute to 99 minutes; and 1 hour to 99 hours
- Continuously repeats on/off switchings until manually stopped
- 1/3 horsepower
- Timing accuracy: 0.01%
- 120 VAC, 15 amps, 1800 watts
- Size: 6 x 2¾ x 3¾ inches, weight: 12 ounces

Traceable to NIST for accuracy

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



Thomas No.	Description
1235D61	Traceable® Walkaway™ Controller (Model 1, pictured above)
1235D62	Traceable® Walkaway™ Repeat Controller (Model 2, pictured below)

## Traceable® Memory-Card Refrigerator/Freezer Thermometer

Memory-Card Refrigerator/Freezer Thermometer captures readings on removable SD card

- USB memory card reader plugs directly into Windows and Mac—no software to install
- Minimum/maximum feature displays highest/lowest readings for any time period
- Alarm beeps and LED flashes when temperature rises above or falls below user-set trip points
- Unique 4-line display shows temperature of bottle probe, ambient temperature, humidity and time-of-day
- Probe temperature range: -22 to 158°F (-30 to 70°C), resolution 0.1°
- Probe temperature accuracy: ±0.5°C (0 to 25°C), ±0.6°C (25 to 70°C), ±1.2°C (-30 to 0°C, 50 to 70°C)
- Cable length: 79 inches
- Size: 4¼ x 3½ x 1¼ inches, weight: 7 ounces
- Supplied: 256 mb SD memory card, USB memory card reader, magnetic mounting strips, Velcro®, wall mount, bench stand, batteries, adaptor, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description	Probe
1208T89	Traceable® Memory-Card Refrigerator/Freezer Thermometer (patented)	Bottle (1 x 2½ inches)
1208T90	Traceable® Memory-Card Thermometer with Stainless-steel Probe	0.16 x 1 inches

## Refrigerator/Freezer Thermometer Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Length (inch) Probe	Cable	Waterproof Total Unit/Cable/Probe	Vaccine Probe	Alarm	Display Min/Max
1208T89/T90	23	Yes	-22 to 158°F / -30 to 70°C	0.1°	±0.5/±0.6	2.5/1.25	79	n/y/y	no	yes	yes
1227U03/U05	24	Yes	-58 to 158°F / -50 to 70°C	0.01°	±0.3	2.5	120	n/y/y	no	yes	yes
1221Z93	24	Yes	-22 to 185°F / -30 to 85°C	0.1°	±1.0	2.5	n/a	y/y/y	no	no	yes
1235D07	26	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1	2.5	120	n/y/y	no	yes	yes
1222W21	26	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1	1.25	120	n/y/y	yes	yes	yes
1222W22	26	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1	0.75	120	n/y/y	no	yes	yes
9338E60	26	Yes	-58 to 158°F / -50 to 70°C	1°	±1	0.75	120	n/y/y	no	yes	yes
9327L12	26	Yes	-58 to 158°F / -50 to 70°C	1°	±1	2.5	120	n/y/y	no	yes	yes
1222W14	26	Yes	-58 to 158°F / -50 to 70°C	1°	±1	1.25	120	n/y/y	yes	yes	yes
1226M00	27	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	2.5	120	n/y/y	no	yes	yes
1226L99	27	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.75	120	n/y/y	no	yes	yes
1226M01	27	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	1.25	120	n/y/y	yes	yes	yes
1235C82	27	Yes	-40 to 176°F / -40 to 80°C	0.5°	±1	0.75	72	n/y/y	no	no	yes
1222W09	27	Yes	-40 to 176°F / -40 to 80°C	0.5°	±1	2.5	72	n/y/y	no	no	yes
1222W19	27	Yes	-40 to 176°F / -40 to 80°C	0.5°	±1	1.25	72	n/y/y	yes	no	yes
1235C84/C85	28	Yes	-58 to 158°F / -50 to 70°C	1°	±1	0.75	120	n/y/y	no	no	yes
1235D14/D15	28	Yes	-58 to 158°F / -50 to 70°C	1°	±1	2.5	120	n/y/y	no	no	yes
9327K22	28	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.75	120	n/y/y	no	yes	yes
1222W12/W13	28	Yes	-58 to 158°F / -50 to 70°C	1°	±1	1.25	120	n/y/y	yes	no	yes
1235D66	29	Yes	14 to 131°F / -9.9 to 55°C	0.1°	±1.0 / ±1.5	n/a	n/a	n/n/n	no	no	no
1235C65	29	Yes	-99.9 to 199.9°C	0.1°	±2.0	5	120	n/y/y	no	no	no
9327K28	28	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	2.5	120	n/y/y	no	yes	yes
1222W20	28	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	1.25	120	n/y/y	yes	yes	yes



## Traceable® High-Accuracy Refrigerator/Freezer Thermometer

Extraordinarily high accuracy and one-key user calibration make this lab workhorse a must-have

- Range: -58 to 158°F (-50 to 70°C)
- Resolution: 0.01°, accuracy: ±0.3°C
- Triple display shows Min/Max, and current °F/°C temperatures
- Two-channel alarm is programmable in 0.1° increments and sounds for days if temperature rises above/falls below set points
- Sealed bottle is insulated from rapid temperature changes when door is opened
- GRAS—generally recognized as safe by US FDA
- Refrigerator/freezer door closes and seals tightly around efficient, micro-thin cable
- Size: 2¾ x 4¼ x ¾ inches, weight: 5 ounces
- Supplied: magnetic strips, Velcro®, bench stand, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1227U03	<b>Traceable® High-Accuracy Refrigerator Freezer Thermometer</b> Supplied with 1 bottle probe (patented)
1227U04	<b>Traceable® High-Accuracy Refrigerator/Freezer Thermometer</b> Supplied with 2 bottle probes (patented)
1227U05	<b>Traceable® High-Accuracy Monitoring Thermometer</b> Supplied with 2 probe sensors (Chemical-resistant, waterproof sensor measures 3/16-inch diameter and is ¾-inch long) (see lower picture)



## Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer

Entire unit is waterproof

- Temperature range -22 to 185°F (-30 to 85.0°C)
- Resolution: 0.1°, accuracy: ±1.0°C / Ultra™ model accuracy: ±0.4°C at tested points
- Displays minimum and maximum readings over any time period
- Stainless-steel probe protects high-accuracy thermistor sensor
- Liquid filled GRAS bottle mimics liquid sample temperatures
- GRAS—liquid generally recognized as safe by US FDA
- Available with liquid fill or glass bead fill
- Chemical-resistant ABS plastic stand sits on shelf
- Stand affixes to a refrigerator wall or any wall—Size: 2¼ x 2¼ x 1½ inches
- Unit is 1⅞ x 1 x 4⅝ inches, weight: 2½ ounces
- Supplied: chemical-resistant ABS plastic stand, Velcro®, Traceable® Certificate

### Traceable to NIST for accuracy!

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

Thomas No.	Description
1221Z93	<b>Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer</b> (patents pending)
1221Z94	<b>Traceable® Digital-Bottle™ Ultra™ Refrigerator/Freezer Thermometer</b> (patents pending)
1221Z95	<b>Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer</b> (identical to Cat. No. 1221Z93 with bottle full of glass beads instead of solution) (patents pending)
1221Z96	<b>Traceable® Digital-Bottle™ Ultra™ Refrigerator/Freezer Thermometer</b> (identical to Cat. No. 1221Z94 with bottle full of glass beads instead of solution) (patents pending)



## Traceable® Wireless Radio-Signal Refrigerator Thermometer

**NEW**

Unit wirelessly reads refrigerator temperatures up to 100 feet away

- Range: -22.0 to 158.0°F (-30.0 to 70.0°C)
- Resolution: 0.1°, accuracy: ±1.0°C
- Sealed bottle is insulated from rapid temperature changes when door is opened
- GRAS—generally recognized as safe by US FDA
- Temperature readings from up to three remote refrigerator sensors are sent to a main unit via radio signal
- Minimum/maximum memory allows monitoring conditions over any time period
- Distinctive alarm sounds when temperature rises above/falls below settable high and low set points
- Alarms may be conveniently set in 1° increments
- Indicator on main unit shows rising/falling temperature trends.
- Size: 4¼ x 4½ x ¾-inch (main unit), 2½ x 3½ x ¾-inch (remote unit), weight: 6 ounces (main unit), 3 ounces (remote unit)
- Supplied: one main unit, one remote unit, flip-open stand, wall mount, Velcro®, batteries, Traceable® Certificate



### Traceable to NIST for accuracy!

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

Thomas No.	Description
1208T92	Traceable® Wireless Radio-Signal Refrigerator Thermometer with Remote Refrigerator Bottle Probe Module
1208T93	Additional Traceable® Remote Refrigerator Bottle Probe Module (total of 3 may be used) (patented)

## Traceable® Platinum High-Accuracy Refrigerator Thermometer

**NEW**

Time/date key shows exact time and date for all minimum and maximum readings

- Displays minimum/maximum temperatures for previous 24 hours (for each hour) and previous 7-days (for each day); or previous 30 days (for each day)
- Range: -58.00 to 158.00°F (-50.00 to 70.00°C)
- Resolution: 0.01°, accuracy: ±0.1°C
- Sealed bottle is insulated from rapid temperature changes when door is opened
- GRAS—generally recognized as safe by US FDA
- Alarm is settable in 0.1° increments and signals when temperature rises above/falls below set points
- Visual LED blinks and audible alarm signals continuously, even if temperature returns to non-alarm range
- Size: 2¾ x 4¼ x ¾-inch. Weight: 5 ounces.
- Supplied: platinum bottle probe, cable, magnetic strips, Velcro®, bench stand, batteries, Traceable® Certificate



### Traceable to NIST for accuracy!

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

Thomas No.	Description
1208T85	Traceable® Platinum High-Accuracy Refrigerator Thermometer (patents pending)
1208T86	Traceable® Platinum High-Accuracy Thermometer (patents pending)

## Traceable® Refrigerator/Freezer Thermometers

Temperature-buffered bottle insulates sensor from rapid temperature changes



- Temperature range: -58 to 158°F (-50 to 70°C)
- Resolution: 1°, accuracy: ±1°C
- Alarm is programmable in 1° increments, sounds continuously when temperature rises above/falls below set points, and can be turned off manually
- MIN/MAX memory, HIGH/LOW alarm, fast/normal sampling, °C/°F
- Easy-to-read, three-line LCD
- Micro cable permits refrigerator doors to close on it, cable length is 10 feet
- GRAS liquid in bottle shields probe from rapid temperature changes when freezer door is open (GRAS—generally recognized as safe by US FDA)
- Size: 2¾ x 4¼ x ¾ inches, weight: portable 4 ounces
- Supplied: battery, probe, cable, carrying case, magnetic mounting, Velcro®, bench stand, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
9327L12	<b>Traceable® Refrigerator/Freezer Thermometer</b> (patented)
1222W14	<b>Traceable® 5ml Vaccine Thermometer</b> (Same as Cat. No. 9327L12 with 5ml bottle. Bottle mimics vaccine temperature and fits in tray.) (smaller bottle pictured right)
9338E60	<b>Traceable® Memory Monitoring Thermometer</b> (with probe; without bottle) Probe is 5/16-inch in diameter and ¾-inch long. Ten foot cable. (see smaller picture)

## Traceable® Refrigerator/Freezer Plus™ Thermometer

Temperature-buffered bottle insulates sensor from rapid temperature changes—  
with high and low settable alarms

- Temperature range: -58 to 158°F (-50 to 70°C)
- Resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory
- High and low settable alarms
- Ten-foot micro-cable permits refrigerator doors to close on it
- Place anywhere with Velcro®, magnets, and stand
- Bottle liquid is GRAS (generally recognized as safe) by the US FDA  
Unit dimensions are 3¾ x 2½ x 5/8-inch, bottle probe dimensions are 1 x 1 x 2½-inch, weight: 4 ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D07	<b>Traceable® Refrigerator/Freezer Plus™ Thermometer</b> (patented)
1222W21	<b>Traceable® 5ml Vaccine Plus™ Thermometer</b> (Same as Cat. No. 1235D07 with 5ml bottle. Bottle mimics vaccine temperature and fits in tray.) (smaller bottle pictured right)
1222W22	<b>Traceable® Memory Monitoring Plus™ Thermometer</b> (Same as the 1235D07 but with a sensor that measures 3/16-inch in diameter and is ¾-inch long.) (not pictured)



## Traceable® Jumbo Refrigerator/Freezer Thermometer

Jumbo LCD simultaneously shows MIN, MAX, and current probe temperatures plus room temperature

- Range: -58 to 158°F (-50 to 70°C)
- Resolution 0.1°, accuracy: ±1°C
- MIN/MAX memory, HI/LO ALARMS, °F/°C
- Micro cable permits refrigerator doors to close on it, cable length is 10 feet
- Easy-read, large LCD with jumbo 1½ inch high digits
- GRAS liquid in bottle shields probe from rapid temperature changes when refrigerator/freezer door is open (GRAS—generally recognized as safe by US FDA)
- Size: 3½ x 4¾ x ¾ inches, weight: 4 ounces
- Supplied: battery, probe, cable, wall mount, flip-open stand, Velcro®, magnetic strips, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1226M00	<b>Traceable® Jumbo Refrigerator/Freezer Thermometer</b> (patented)
1226M01	<b>Traceable® 5ml Vaccine Jumbo Thermometer</b> Features same as 1226M00 with 5ml bottle. Bottle mimics vaccine temperature and fits in tray.
1226L99	<b>Traceable® Jumbo Memory Monitoring Thermometer</b> Features same as the 1226M00 but with a sensor that measures ¾-inch in diameter and is ¾-inch long (see smaller picture)

## Traceable® Thermometer with TIME/DATE/MIN/MAX

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

- Temperature range: -40 to 176°F (-40 to 80°C), °C/°F
- Resolution: 0.5°, accuracy: ±1°C
- MIN/MAX memory displays TIME, DATE
- Cable is 6 feet
- High-contrast, LCD with ¾ inch high digits
- GRAS liquid in bottle shields probe from rapid temperature changes when freezer door is open (GRAS—generally recognized as safe by US FDA)
- Size: 3½ x 3½ x 1 inches, weight: 3½ ounces
- Supplied: battery, probe, cable, wall mount, flip-open stand, Velcro®, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1222W09	<b>Traceable® Thermometer with TIME/DATE MAX/MIN Memory</b> (patented) (see smaller insert)
1222W19	<b>Traceable® 5ml Vaccine Thermometer with TIME/DATE MAX/MIN Memory</b> (Same as 1222W09 with 5mL bottle. Bottle mimics vaccine temperature and fits in tray.) (see smaller insert)
1235C82	<b>Traceable® Thermometer with TIME/DATE MAX/MIN Memory</b> (see larger picture) Features are the same as the 1222W09 but with a sensor that measures ¾-inch in diameter and is ¾-inch long

## Traceable® Sentry™ Thermometer

### Simple 1-key reset operation

- Temperature range: -58 to 158°F or -50 to 70°C
- Resolution: 1°, accuracy: ±1°C
- MIN/MAX memory, RESET, °F or °C
- GRAS liquid in bottle shields probe from rapid temperature changes when freezer door is open (GRAS—generally recognized as safe by US FDA)
- Cable length is 10 feet and permits refrigerator doors to close on it
- Size 2½ x 2½ x ¾ inches, weight: 1½ ounces
- Supplied: battery, probe, cable, wall mount, magnet, stand, Velcro®, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235C84	<b>Traceable® Sentry™ Thermometer °F</b>
1235C85	<b>Traceable® Sentry™ Thermometer °C</b>
1235D15	<b>Traceable® Sentry™ Thermometer °F with Bottle</b> Identical to the 1235C84 but supplied with special bottle probe specifically for refrigerator/freezer applications (patented) (see smaller picture)
1235D14	<b>Traceable® Sentry™ Thermometer °C with Bottle</b> Identical to the 1235C85 but supplied with special bottle probe specifically for refrigerator/freezer applications (patented) (see smaller picture)
1222W13	<b>Traceable® Sentry™ 5ml Vaccine Thermometer °F with Bottle</b> (Identical to the 1235C84 with 5ml bottle. Bottle probe mimics vaccines temperature and fits in tray.) (see smaller picture)
1222W12	<b>Traceable® Sentry™ 5ml Vaccine Thermometer °C with Bottle</b> (Identical to the 1235C85 with 5ml bottle. Bottle probe mimics vaccines temperature and fits in tray.) (see smaller picture)

## Traceable® Radio-Signal Remote Thermometer

### Monitor up to 3 different remotes at the same time

- Temperature range: -58.0 to 158.0°F (-50 to 70.0°C)
- Resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory/alarm
- Supplied remote module transmits on a radio frequency of 433 MHz, penetrating walls, with a range of 100 feet
- Waterproof 10-foot cable; probe: 13/16-inch diameter, ¾-inch long
- Supplied: flip-open stand, wall bracket, Velcro®, battery
- Main unit dimensions are 4¼ x 4½ x 5/8-inch, weight: 6 ounces;  
remote module dimensions are 2½ x 3½ x ¾-inch, weight: 3 ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
9327K22	<b>Traceable® Radio-Signal Remote Thermometer with Remote Module</b>
9327K24	<b>Additional Traceable® Remote Module</b>
9327K26	<b>Traceable® Stainless-steel Probe</b> Triple-purpose probe (liquids, air/gas, semisolids) has 1/8-inch dia., 8½ inch length and 5-foot cable.
9327K28	<b>Traceable® External Bottle Probe</b> Features are the same as the 9327K22 but supplied with special bottle probe specifically for refrigerator/freezer applications (patented) (See picture insert)
1222W20	<b>Traceable® 5mL Vaccine Bottle Probe</b> Same as 9327K28 with 5ml bottle. Bottle probe mimics vaccines temperature and fits in tray.) (see smaller picture)



## Traceable® Big-Digit Refrigerator Thermometer

Easy to read 5/8-inch-high display permits viewing from across the lab

- Switchable range –22.0 to 140°F and –30.0 to 60.0°C
- Resolution: 0.1°, accuracy: ±1°C in the range 5 to 25°C (±1.5°C outside range); Ultra™ model accuracy: ±0.5°C at tested points
- Display updates every 30 seconds
- Supplied: suction-cup, Velcro®, battery, Traceable® Certificate
- Size: 3½ x 2 x ¾ inches, weight 1½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
1227U01	Traceable® Big-Digit Refrigerator Thermometer	±1.0°C
1227U02	Traceable® Big-Digit Ultra™ Refrigerator Thermometer	±0.4°C at tested points

## Econo Traceable® Refrigerator Thermometer

Suction cup and Velcro® for easy mounting

- Temperature range: 14.2 to 131.0°F (–9 to 55.0°C)
- Resolution: 0.1°, accuracy: ±1°C from 5 to 25°C or 1.5°C elsewhere
- Ideal unit for use in storerooms, labs, offices, hoods, cabinets
- Remarkable, see-through display updates every 30 seconds, switchable °F/°C
- Size: 1 x 2½ x ¾ inches, weight: ½ ounce
- Supplied: battery, suction cup, Velcro®, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D66	Econo Traceable® Refrigerator Thermometer

## Traceable® –100.0 Platinum Freezer Thermometer

Ideal for freezers—supplied with probe holder

- Temperature range: –99.9 to 199.9°C
- Resolution: 0.1°, accuracy: ±2°C
- Mega-accurate 100-ohm platinum probe is triple purpose for liquids, air/gas, and frozen materials
- Probe dimensions: 3-inch stem, 0.16-inch diameter, 5 inches overall
- Ultra-slim 10-foot cable allows freezer doors to seal tightly around it
- Size: 2¾ x 4¼ x ¾ inches, weight: 4¼ ounces
- Supplied: battery, probe, cable, probe holder, Velcro®, magnetic strips, carrying case, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C65	Traceable® –100.0 Platinum Freezer Thermometer





## Stainless-Steel Probe attached directly to Thermometer, Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Probe Length (inch)	Waterproof Total Unit/ Probe	Unit Length (inches)	Alarm	Display MIN/ MAX
9329H01	30	Yes	-58 to 302°F/-50 to 150°C	0.1°/1°	±1°C	8	n/y	11	no	no
9329H03	30	Yes	-58 to 302°F/-50 to 150°C	0.1°/1°	±0.2°C	8	n/y	11	no	no
9329H05	30	Yes	-58 to 572°F/-50 to 300°C	0.1°/1°	±1°C	11½	n/y	14¾	no	no
9329H07	30	Yes	-58 to 572°F/-50 to 300°C	0.1°/1°	±0.5°C	11½	n/y	14¾	no	no
9329C33	31	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.5	3½	n/y	7	no	yes
1235D18	31	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.4	3½	n/y	7	no	yes
1235D22	31	Yes	-58 to 536°F / -50 to 280°C	0.1°	±1.0	8	y/y	9½	no	no
1235D21	31	Yes	-58 to 536°F / -50 to 280°C	0.1°	±0.4	8	y/y	9½	no	no
1235D24	32	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	4½	n/y	11	no	yes
1235D13	32	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.3	4½	n/y	11	no	yes
1222W10	32	Yes	-67 to 626°F / -55 to 330°C	0.2°	±0.5	6	n/y	12½	no	yes
1235D23	31	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	8	y/y	10¼	no	yes
1235D30	31	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.4	8	y/y	10¼	no	yes
9329F57	32	Yes	-58 to 536°F / -50 to 280°C	0.1°	±1.0	8	n/y	9¼	no	no
1235D17	32	Yes	-58 to 536°F / -50 to 280°C	0.1°	±0.4	8	n/y	9¼	no	no
1235C66/C67	33	Yes	-67 to 300°F or -55 to 149°C	0.1°	±1.0	4¾	n/y	4¾	no	no
9327F93	33	Yes	-58 to 302°F / -50 to 150°C	0.1°	±1.0	5¼	n/y	6½	no	no
1235D26	33	Yes	-58 to 302°F / -50 to 150°C	0.1°	±0.3	5¼	n/y	6½	no	no
1235D19	33	Yes	-58 to 302°F / -50 to 150°C	0.1°	±1.0	1	n/y	3¾	no	no



## Traceable® Long-Stem Thermometer

Ideal for replacing all mercury thermometers

- Efficient, stainless-steel 0.14" (0.35cm) diameter probe fits into flasks, cuvettes, test tubes, beakers
- Brilliant, ½-inch high LCD with clear digits
- Weight: less than 1 ounce
- Supplied: battery, probe case, Traceable® Certificate

## Traceable to NIST for accuracy

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

## Traceable® Long-Stem Thermometer Performance Chart

Thomas No.	9329H01	9329H03	9329H05	9329H07
<b>Description</b>	Long-stem	Long-stem, ultra	Extra-long-stem, wide-range	Extra-long-stem, wide-range, ultra
<b>Probe Stem</b>	8 inches, 0.14 inch diameter	8 inches, 0.14 inch diameter	11½ inches, 0.14 inch diameter	11½ inches, 0.14 inch diameter
<b>Overall Length</b>	11 inches	11 inches	14¾ inches	14¾ inches
<b>Range</b>	-58 to 302°F/-50 to 150°C	-58 to 302°F/-50 to 150°C	-58 to 572°F/-50 to 300°C	-58 to 572°F/-50 to 300°C
<b>Accuracy</b>	±1°C	±0.2°C at tested points	±1°C	±0.5°C at tested points

## Traceable® Pocket Thermometer

Unique, slim-line, no-glass thermometer is all-time-favorite, carry-anywhere lab partner

- Temperature range: -58 to 572°F and -50 to 300°C
- Resolution: 0.1° from -20 to 200°; elsewhere 1°
- HOLD, MIN/MAX, °F/°C
- Stainless-steel probe: 3½-inch stem, 0.14-inch diameter
- Overall size: 7 inches, weight: 1 ounce
- Supplied: battery, probe case, pocket clip, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description	Accuracy
9329C33	Traceable® Pocket Thermometer	±1.5°C
1235D18	Traceable® Ultra™ Pocket Thermometer	±0.4°C at tested points

## Traceable® Food/Waterproof/Piercing Thermometer

Drop-proof from 5 feet

- Temperature range: -58 to 536°F and -50 to 280°C
- Resolution: 0.1° from -20 to 200°; 1° elsewhere
- Accuracy: ±0.4°C at tested points or ±1°C between -20 to 100°C
- Stainless-steel probe is 0.19-inch diameter x 8 inches
- Overall dimensions are 9½ x 3¼ x 1-inch, weight: 1¼ ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description	Accuracy
1235D22	Traceable® Food/Waterproof/Piercing Thermometer	±1.0°C
1235D21	Traceable® Ultra™ Food/Waterproof/Piercing Thermometer	±0.4°C at tested points

## Traceable® Lollipop™ Shock/Waterproof Thermometer

Ideal for indoor/outdoor use, wet labs, and virtually all field applications

- Range: -58 to 572°F (-50 to 300°C)
- Resolution: 0.1° (-20 to 200° otherwise 1°)
- MIN/MAX memory, °F/°C
- Stainless-steel probe: 8 inches stem, 0.14-inch diameter
- High-contrast, ¼-inch high LCD
- Size: 10¼ x 1¼ x ½-inch, weight: ⅞ ounce
- Supplied: battery, probe, probe cover with pocket clip, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
1235D23	Traceable® Lollipop™ Shock/Waterproof Thermometer	±1.0°C
1235D30	Traceable® Ultra™ Lollipop™ Shock/Waterproof Thermometer	±0.4°C at tested points



Infrared  
Non-Contact  
Sensor

## Traceable® Waterproof Food HACCP Thermometer

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

### Infrared/Non-contact

- Range: -67 to 482°F (-55 to 250°C)
- Resolution: 0.5°F (0.2°C) between -10 and 200 1° elsewhere
- Accuracy: ±0.6°C between -5 to 65°C
- Field of view is 2.5:1
- Emissivity is adjustable from 0.0 to 1.0

### Traceable to NIST for accuracy

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

### Piercing stainless-steel

- Range: -67 to 626°F (-55 to 330°C)
- Resolution: 0.5°F (0.2°C) between -10 and 200 1° elsewhere
- Accuracy: ±0.5°C
- Display indicates HACCP zones:
  - green light—under 40°F (4°C)
  - green light—over 140°F (60°C)
  - red danger light—between 40 to 140°F (4 to 60°C)
- MIN/MAX, HACCP zones, °F/°C
- Stainless-steel 6 inch probe, 5/16-inch diameter
- Size: 6½ x 1 x 1½-inch folded, 12½ long extended, weight: 3½ ounces

Thomas No.	Description
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1222W10	Traceable® Waterproof Food HACCP Thermometer
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## Traceable® Flip-Stick™ Thermometer

Stainless-steel probe is foldable

- Temperature range: -58 to 572°F (-50 to 300°C)
- Resolution: 0.1° from -20 to 200° (1° outside this range)
- Minimum/maximum memory
- Size: 0.14 stem diameter x 4½-inch stem length, an extended length of 11 inches, 6 inches folded x 5/16-inch x 1½-inch, weight: 2½ ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description	Accuracy
1235D24	Traceable® Flip-Stick™ Thermometer	±1.0°C
1235D13	Traceable® Ultra™ Flip-Stick™ Thermometer	±0.3°C at tested points

## Traceable® Robo™ Thermometer

Replaces mercury thermometers

- Temperature range: -58 to 536°F and -50 to 280°C
- Resolution: 0.1° from -20 to 200°
- 180° rotating digital display
- Stainless-steel probe: 8 inch stem, 0.14-inch diameter
- High-contrast, easy-read LCD with 1/4-inch high digits
- Size: 9¼ inches, weight: less than 1 ounce
- Supplied: battery, probe case with clip, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
9329F57	Traceable® Robo™ Thermometer	±1.0°C
1235D17	Traceable® Ultra™ Robo™ Thermometer	±0.4°C at tested points





## Traceable® Digital Thermometer

### Readings updated every 10 seconds

- Temperature range: -67.0 to 300.0°F or -55.0 to 149.0°C
- Resolution: 0.1°
- Accuracy:  $\pm 1^\circ\text{C}$  or  $\pm 1.8^\circ\text{F}$  between -20 to 100°C
- Stainless-steel stem dimensions are  $4\frac{3}{4} \times 0.19$  inch diameter and  $1\frac{1}{2}$  inches dial diameter, weight: 1½ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
1235C66	Traceable® Digital Thermometer °F	$\pm 1.8^\circ\text{F}$
1235C67	Traceable® Digital Thermometer °C	$\pm 1.0^\circ\text{C}$

## Traceable® Jumbo-Display Dial Thermometer

### Stainless-steel probe is perfect for gunky and viscous solutions

- Temperature range: -58 to 302°F (-50 to 150°C)
- Resolution: 0.1° from -20 to 200°; 1° elsewhere
- Accuracy:  $\pm 0.2^\circ\text{C}$  at tested points or  $\pm 1^\circ\text{C}$  between -20 and 100°C
- Digital display height is  $\frac{3}{8}$ -inch
- Stainless-steel stem dimensions are  $5\frac{1}{4} \times 0.14$  inch diameter and top diameter is  $2\frac{1}{8}$  inches, overall length is  $6\frac{1}{2}$  inches, weight: less than 1 ounce



### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
9327F93	Traceable® Jumbo-Display Dial Thermometer	$\pm 1^\circ\text{C}$
1235D26	Traceable® Ultra™ Jumbo-Display Dial Thermometer	$\pm 0.3^\circ\text{C}$ at tested points

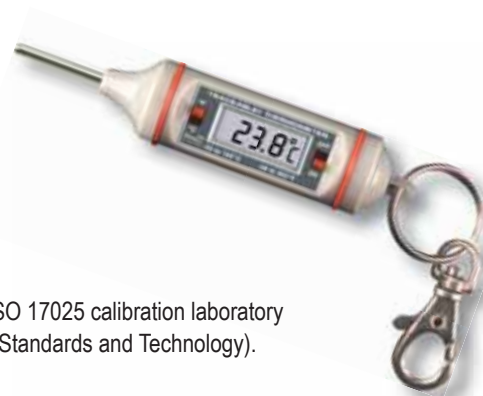
## Traceable® Key-Chain Thermometer

### Pocket-size Traceable® Thermometer is perfect for carrying with you

- Temperature range: -58 to 302°F and -50 to 150°C
- Resolution: 0.1°, accuracy:  $\pm 1^\circ$  between -20.0 to 100.0°C
- Stainless-steel probe is 0.13-inch diameter x 1-inch long
- Overall dimensions are  $\frac{3}{4}$  diameter x  $3\frac{3}{4}$  inches, weight:  $\frac{1}{2}$  ounce

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D19	Traceable® Key-Chain Thermometer

## Traceable® Extreme-Accuracy Thermometer Time/Date/Min/Max

Extra-precise lab partner delivers exact time/date when temps rise above/fall below set points

- Range: Cat. No. 1227U06: 0.00° (–2.00 to 2.00°C)  
Cat. No. 1227U07: 25.00° (23.00 to 27.00°C)  
Cat. No. 1227U08: 37.00° (35.00 to 39.00°C)  
Cat. No. 1227U09: combination: 0.00°, 25.00°, and 37.00° (above ranges)  
Cat. No. 1218M98/1218M99: –58 to 158°F and –50 to 70°C
- Resolution: 0.01°, accuracy: ±0.05°C within range of ±0.50°C of standard
- Two audible and two visual alarms warn when temperatures rise above/fall below set points
- Shows exact time/date when alarms are triggered also shows time and date for MIN/MAX
- Alarms are programmable in 0.1° increments and sound continuously until disabled
- Probe: 6¼ inch stainless-steel; ⅛ inch diameter; 9 inches overall length
- Size: 2¾ x 4¼ x ¾ inches, weight: 5 ounces
- Supplied: batteries, stand, Velcro®, magnetic strips, wall mount, probe(s), cable, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description	Accuracy
1227U06	Traceable® Extreme-Accuracy Standards Thermometer 0.00°	±0.05°C
1227U07	Traceable® Extreme-Accuracy Standards Thermometer 25.00°	±0.05°C
1227U08	Traceable® Extreme-Accuracy Standards Thermometer 37.00°	±0.05°C
1227U09	Traceable® Extreme-Accuracy Standards Thermometer 0.00°, 25.00°, 37.00°	±0.05°C
1218M98	Traceable® Hi-Accuracy Dual Thermometer with one stainless-steel probe	±0.3°C
1218M99	Traceable® Hi-Accuracy Dual Thermometer with two stainless-steel probes	±0.3°C

## Traceable® Platinum Ultra-Accurate Digital Thermometer

**NEW**

Platinum sensor insures high accuracy across the entire range

- Range: –200.00 to 500.000°C (–328.00 to 932.000°F)
- Resolution: 0.001° or 0.0001°, accuracy: ±0.05°C between –80 to 250°C
- Decimal-placement key changes display to show one, two, three, or four significant numbers
- Computer output captures in real time
- Handle Probe Model: 4-wire platinum, stainless-steel probe; 0.13-inch dia. x 6.3 inch stem length, 9-inch overall, 5-foot cable
- Bullet™ Probe Model: 4-wire platinum, stainless-steel; ¼-inch dia. x 1-inch long, with high temperature (500°C) 10-foot cable
- Size: 3½ x 5½ x 1¼-inch, weight: 8 ounce
- Supplied: battery, plastic carrying case, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1208T81	Traceable® Platinum Ultra-Accurate Digital Thermometer
1208T82	Traceable® Platinum Ultra-Accurate Digital Thermometer
1208T83	Handle Probe Low-Temp Cryo Platinum stainless, range –196 to 150°C
1208T84	Bullet™ Probe Low-Temp Cryo Platinum stainless, range –196 to 150°C



## Traceable® Platinum High-Accuracy Freezer Thermometer

### Platinum probe and Min/Max readings for last 24-hours, 7-days, 30-days

- Time/date key shows the exact time and date for all minimum and maximum readings
- Range: -148.00 to 199.99°F (-100.00 to 199.99°C)
- Resolution: 0.01°, accuracy: ±0.1°C
- Thermometer is ideal for freezers
- Triple display shows current °F/ °C and minimum/maximum temperatures
- Alarm is settable in 0.1° increments and signals when temperature rises above/falls below set points
- Visual LEDs and audible alarm signal continuously even if temperature returns to non-alarm range
- Handle probe model features stainless-steel probe, diameter 0.13 inches, stem length 9.0 inches, overall length 12 inches
- Bullet™ probe model features PTFE cable to withstand temperatures of -100 to 200°C, 0.25-inch diameter x 1 inch probe
- Size: 2¾ x 4¼ x ¾-inch, weight: 5 ounces
- Supplied: platinum probe, stand, wall mount, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1208T87	Traceable® Platinum High-Accuracy Freezer Thermometer (patents pending)
1208T88	Traceable® Platinum High-Accuracy Freezer Thermometer (patents pending)



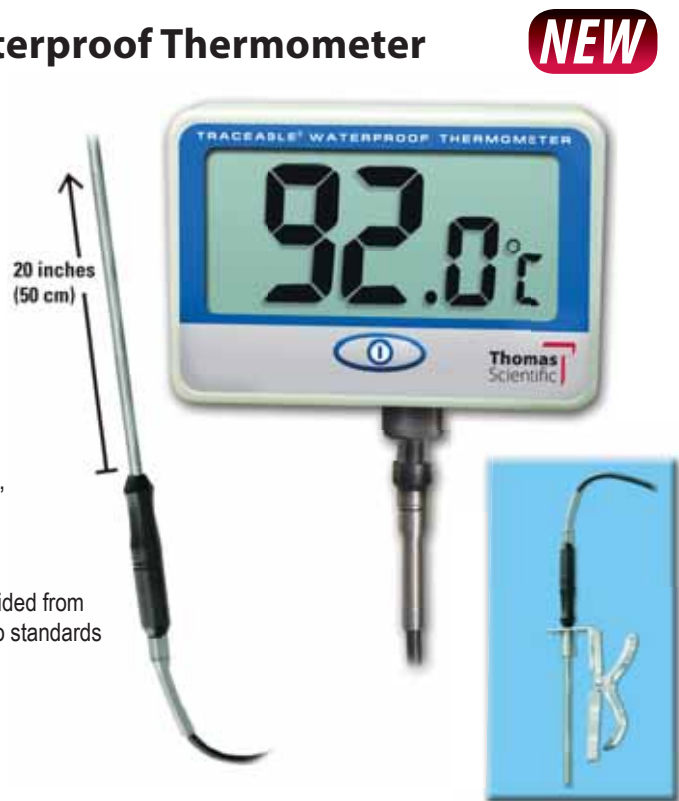
## Traceable® Extra-Extra Long-Probe Waterproof Thermometer

### Extra-long probe, 20 inches created for deep vessels

- Range: 14.0 to 230.0°F (-10.0 to 110.0°C)
- Resolution: 0.1°, accuracy: ±1°C
- Jumbo LCD can be read at 70 feet
- Probe: waterproof, stainless-steel, 20 inches length x 0.2 inches diameter
- Probe handle: waterproof, chemical-resistant, length 2½ inches; 10 foot cable
- Thermometer is ideal for large beakers/flasks, vats, pails, drums
- Waterproof (IP67) to a depth of 10 feet meter/probe/cable
- Stainless-steel spring-powered holder for ease in placing probe anywhere
- Wall mount provides instant viewing, indoor/outdoor use
- Size: 4¾ x 3½ x 1¼-inch, weight: 7 ounces
- Supplied: stainless-steel probe, spring-loaded holder, wall mount, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1208T80	Traceable® Extra-Extra Long-Probe Waterproof Thermometer



## Traceable® Digital Thermometer

**Our most accurate thermometer reads to 0.001°**

- Temperature range: -58.000 to 302.000°F and -50.000 to 150.000°C
- Resolution: 0.001° over entire range
- Accuracy:  $\pm 0.05^{\circ}\text{C}$  between 0.0 to 100°C
- Ideal for foods, pharmaceuticals, petroleum products, gas systems, soil, ovens, and more
- HISTORY/MEMORY instantly recalls MIN/MAX results
- HOLD, MIN/MAX, MEMORY, °F/°C
- Stainless-steel probe: 6-inch stem, 0.3-inch dia., 9-inch overall
- Cable is 5½ feet
- High-contrast, ½-inch high LCD
- Size: 3½ x 5½ x 1¼ inches, weight: 8 ounces
- Supplied: alkaline battery, probe, cable, computer output software, plastic carrying case, Traceable® Certificate

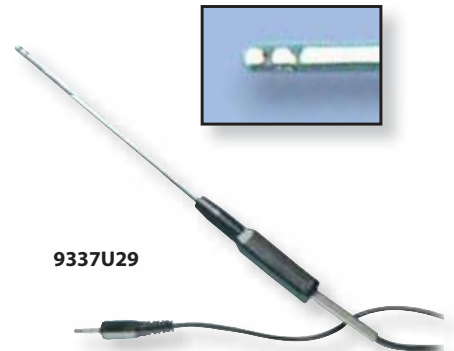
### Traceable to NIST for accuracy

Unit conforms to ITS-90 International Temperature Standard. To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Thomas No.	Description
<b>9337U17</b>	<b>Traceable® Digital Thermometer</b>
<b>Accessories</b>	
<b>9337U38</b>	<b>Computer Data Acquisition System Software with USB cable</b> (complete description on page 67)
<b>9337U20</b>	<b>Accessory Micro Probe</b>
<b>9337U26</b>	<b>Accessory Surface Probe</b>
<b>9337U29</b>	<b>Accessory Air Probe</b>
<b>9337U32</b>	<b>Padded carrying case</b>
<b>9337U35</b>	<b>AC Adaptor</b>



Computer Output



9337U29

## Air Probe

**Measures air temperatures**

- Flow-through tip is perfect for accurately recording air/gases readings
- Remarkable probe meets multiple research and manufacturing applications
- Cable length is 6 feet
- Stem length is 4 inches, diameter 0.12-inch, overall Size: 6 inches

## Surface Probe

**Measures surface temperatures**

- Convenient, extra-long cable extends probe's measuring reach
- Probe is ideal for applications in most industries
- Cable length is 6 feet
- Stem length is 3½ inches, diameter is 0.31-inch, overall size: 6 inches



9337U26



9337U20

## Micro Probe

**Stainless-steel micro probe**

- Fast-response, durable probe supplies precision temperature readings
- Unit is perfect for application in testing soil, food, wastewater, and many more
- Cable length is 5 feet
- Stem length is 2¾ inches, diameter is 0.04-inch, overall Size: 5½ inches

### Stainless-Steel Probe attached by cable to Thermometer, Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Probe Length (inch)	Waterproof Cable/Probe	Unit Size (inches)	Alarm	Display MIN/MAX
1227U06/U09	34	Yes	0.00° / 25.00° / 37.00° or all	0.01	±0.05	9	n/n/y	2¼ x 4¼ x ¾	yes	yes
9337U17	36	Yes	-58 to 302°F / -50 to 150°C	0.001°	±0.05	6	n/n/y	3½ x 5½ x 1¼	no	yes
9329G15	37	Yes	-58 to 500°F / -50 to 250°C	0.1°	±1.0	5½	n/n/y	2½ dia. x ⅞	no	no
1235D08	37	Yes	-58 to 500°F / -50 to 250°C	0.1°	±0.5	5½	n/n/y	2½ dia. x ⅞	no	no
1235D29	37	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	5½	n/n/y	2½ dia. x ⅞	yes	yes
1235D20	37	Yes	-58 to 572°F / -50 to 300°C	0.1°	±0.5	5½	n/n/y	2½ dia. x ⅞	yes	yes
1235D25	38	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	7½	y/y/y	6 x 2½ x 1	yes	yes
9337T60	38	Yes	32 to 392°F / 0 to 200°C	1°	±2.0	8½	n/n/y	2¼ x 3 x ½	yes	no
9327K16	38	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	5	y/y/y	1¼ x ½	no	yes
1230N27	39	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	7½	n/n/y	2½ x 4¼ x ½	yes	yes
1235C68	39	Yes	-58 to 500°F / -50 to 260°C	0.1°	±1.0	7¼	n/n/y	2 x 4 x ½	yes	yes
9327K19	38	Yes	-58 to 302°F / -50 to 150°C	0.1°	±1.0	7	n/n/y	3 x 2 x ½	no	no
1235D28	37	Yes	-58 to 572°F / -50 to 300°C	0.1°	±1.0	2¾	n/y/y	1½ x 2⅞ x ½	no	yes

## Traceable® Full-Scale Thermometer

### Magnetic back and flip-open stand for anywhere placement

- Temperature range: -58 to 500°F (-50 to 250°C); -58 to 572°F (-50 to 300°C)  
Resolution: 0.1° from -20 to 200° and 1° elsewhere
- Deluxe model adds minimum/maximum memory/Alarm/Hold
- Probe length 5½ inches and 0.14 inches diameter
- Diameter: 2½ inches and ⅞-inch depth, weight: 1½ ounces
- Supplied: battery, probe, 10-foot cable, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description	Range	Accuracy
9329G15	Traceable® Full-Scale Thermometer	-58 to 500°F (-50 to 250°C)	±1.0°C between -20 to 100°C
1235D08	Traceable® Full-Scale Thermometer, Ultra™	-58 to 500°F (-50 to 250°C)	±0.5°C between -20 to 100°C
1235D29	Traceable® Full-Scale Plus Thermometer	-58 to 572°F (-50 to 300°C)	±1.0°C between -20 to 100°C
1235D20	Traceable® Full-Scale Plus Thermometer, Ultra™	-58 to 572°F (-50 to 300°C)	±0.5°C between -20 to 100°C



## Traceable® Snap-in Module with Probe

### Triple purpose probe with waterproof cable

- Temperature range: -58 to 572°F (-50 to 300°C)
- Resolution: 0.1° from -20 to 200°; 1° outside this range
- Accuracy: ±1°C between -20 and 100°C
- Minimum/maximum memory
- Size: 1½ x 2⅞ x ½-inch; probe diameter is 0.14 inch x 2¾-inch (including handle); cable length is 10 feet, weight: 2 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D28	Traceable® Snap-in Module with Probe

## Traceable® Memory/ Waterproof Thermometer

### Ten-memory data logging

- Temperature range: -58 to 572°F (-50 to 300°C)
- Resolution: 0.1° from -20 to 200°, accuracy: ±1°C between -20 to 100°C
- Minimum/maximum memory/alarm/HOLD
- Probe size: ¼-inch dia. x 7½ inches, 22-inch cable
- Size: 6½ x 2½ x 1-inch; weight: 4 ounces
- Supplied: battery, probe, cable, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D25	Traceable® Memory/Waterproof Thermometer

## Traceable® Alarm Thermometer/ Alarm Timer

### Stainless-steel probe and cable

- Temperature range: 32 to 392°F and 0 to 200°C
- Resolution: 1°, accuracy: ±2°C
- Stainless-steel probe: ¼-inch dia. x 8½-inch length
- Forty-two inch metal cable may be placed in an oven or incubator
- Movable display shows both temperature and countdown time
- Time and temperature alarm
- Size: 2¾ x 3 x ½ inches, weight: 4¼ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
9337T60	Traceable® Alarm Thermometer/Alarm Timer

## Traceable® Mini Thermometer

### Business-card size for easy storing and handling

- Temperature range: -58 to 302°F (-50 to 150°C)
- Resolution: 0.1° between -20 and 200°
- Accuracy: ±1°C between -20 to 100°C
- Hold feature
- Stainless-steel probe is 0.14-inch diameter x 7-inch length
- Size: 3 x 2 x ½-inch, 18-inch cable, weight: just 1 ounce



### Traceable to NIST for accuracy

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

Thomas No.	Description
9327K19	Traceable® Mini Thermometer

## Traceable® Waterproof Thermometer

### Ten-foot cable for easy placement

- Temperature range: -58 to 572°F (-50 to 300°C)
- Resolution: 0.1° from -19.9 to 199.9°; elsewhere 1°
- Accuracy: ±1°C between -20 and 100°C
- Minimum/maximum memory
- Unit diameter is 1¼ x ½-inch; stainless-steel probe dia. is 0.14 x 5-inch; 10-foot cable, weight: 1½ ounces
- Supplied: suction cups, Velcro®, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description
9327K16	Traceable® Waterproof Thermometer with probe/cable



## Traceable® Digital Thermometer

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

- Temperature range: -58 to 500°F and -50 to 260°C
- Resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory, alarm, HOLD
- Probe size: 0.14 inch diameter x 7¼ inches, 3-foot cable
- Size: 2 x 4 x ½-inch, weight: 3 ounces

Slide panel reveals controls



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C68	Traceable® Digital Thermometer

## Traceable® Kangaroo™ Thermometer

Perfect carry-around thermometer fits in a shirt pocket

- Temperature range: -58.0 to 572°F (-50.0 to 300°C)
- Resolution: 0.1°
- Accuracy: ±1°C (between -30 and 250°C); elsewhere ±2°C
- Minimum and maximum/high and low alarm/hold
- Probe dimensions: probe length is 7½ inches x 0.14 inch dia.
- Size: 2½ x 4¾ x ½ inches, weight: 2¾ ounces



### Traceable to NIST for accuracy

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

Thomas No.	Description
1230N27	Traceable® Kangaroo™ Thermometer

## Traceable® RTD Platinum Thermometer

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

- Temperature range: -58° to 752°F and -50° to 400°C
- Resolution: 0.01° below 200° and 0.1° above 200°
- Accuracy: ±(0.1% + 0.2°C) below 200°C and ±(0.15% + 0.5°C) above 200°C
- Minimum/maximum memory/HOLD/platinum probe/computer output
- Size: 7 x 3 x 1¼ inches; probe dimensions are 6 x 0.13 inch diameter, overall stem length 12 inches; cable length 40 inches, weight: 9½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C87	Traceable® RTD Platinum Thermometer
6794L40	Computer Data Acquisition System Software with USB cable (complete description on page 67)
6794L42	Data Logger (complete description on page 67)



Computer Output

## Traceable® Monitoring Thermometer

**Always-on monitoring thermometer with probe and 10 foot submersible cable**

- Temperature range: -58.0 to 158.0°F and -50.0 to 70.0°C
- Resolution: 0.1°, accuracy: ±1°C
- Size: 3¼ x 2¼ x ⅝-inch, sensor has ⅜-inch diameter, weight: 2½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C69	Traceable® Monitoring Thermometer

## Traceable® Big-Digit 4-Alarm Thermometer

**Four different alarm configurations for multi-use operation**

- Temperature range: -58.0 to 158.0°F or -50.0 to 70.0°C
- Resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory, probe/ambient readings
- Jumbo digits, 1½-inches high, may be read from across lab
- Size: 4 x 4 x ⅝ inches; probe: 0.2-inch dia. x ⅔-inch, 3½-foot waterproof cable, weight: 4¼ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C93	Traceable® Big-Digit 4-Alarm Thermometer °C
1235C94	Traceable® Big-Digit 4-Alarm Thermometer °F



## Traceable® Solar-Powered Thermometer

**Solar panel with a back-up battery**

- Temperature range: -58.0 to 158.0°F (-50.0 to 70.0°C)
- Resolution: 0.1°, accuracy: ±1°C
- Size: 2¾ x 2¾ x ¾-inch, probe is 1⅜-inch diameter, 10-foot cable, weight: 2 ounces
- Supplied: solar panels, probe, cable, wall mount, Velcro®, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
9338E75	Traceable® Solar-Powered Thermometer

### Probe attached by cable to Thermometer, Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Length (inch)		Waterproof Cable/Probe	Unit Size (inches)	Alarm	Display Min/Max
						Probe	Cable				
1235C69	40	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.75	120	n/y/y	3¼ x 2¼ x ⅝	no	no
9338E75	40	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.75	120	n/y/y	2¾ x 2¾ x ¾	no	no
1235C93/C94	40	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.68	42	n/y/y	4 x 4 x ⅝	yes	yes
1235C91/C92	41	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.68	36	n/y/y	2¾ x 2¾ x 1	yes	no
9338E70	41	Yes	-58 to 158°F / -50 to 70°C	0.1°	±1.0	0.75	120	n/y/y	2¾ x 4¼ x ¾	yes	yes

## Traceable® Four-Alarmer Thermometer

**Versatile, thermometer configures in four different ways to meet lab/field requirements**

- Temperature range: -58 to 158°F (-50 to 70°C)
- Resolution: 0.1°, accuracy: ±1°C
- Convenient front panel keys provide quick-start, intuitive programming
- When out-of-range conditions occur, green/red lights flash and alarm sounds for 5 SEC every minute until temperature returns to range or alarm is turned off manually
- Sensor diameter: 0.2 inches by 5/8-inch, 3-foot cable
- Size: 2 3/4 x 2 3/4 x 1-inch, weight: 2 1/4 ounces
- Supplied: suction cup, flip-open stand, wall mount

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C91	Traceable® Four-Alarmer Thermometer °C
1235C92	Traceable® Four-Alarmer Thermometer °F



## Traceable® Big-Digit Memory Thermometer

**View from up to 25 feet**

- External probe range: -58.0 to 158.0°F (-50.0 to 70.0°C)
- Internal sensor range: 23.0 to 122.0°F (-5.0 to 50.0°C)
- Resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory/alarm
- Waterproof/submersible 10-foot cable
- Supplied: flip-open stand, wall mounting, Velcro®
- Jumbo digits, 1 1/8-inch high, may be read from 25 feet
- Size: 2 3/4 x 4 1/4 x 3/4-inch, weight: 4 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
9338E70	Traceable® Big-Digit Memory Thermometer

## Mini IR Traceable® Thermometer

**Inventive, point-and-read, non-invasive IR mini thermometer is super-reliable lab helper**

- Temperature range: -7.0 to 230°F and -22.0 to 110°C
- Resolution: 0.1°, accuracy: ±1°C between 15.0 to 40.0°C; ±1.5°C elsewhere
- HOLD, MIN-only/MAX-only readings, LOCK, °C/°F
- Emissivity is fixed at 0.95
- Field of view is 1:1
- Size: 2 1/2 x 1 1/2 x 1/2 inches, weight: 1 ounce

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D37	Mini IR Traceable® Thermometer



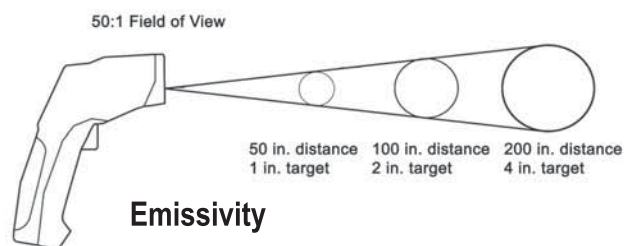


## Infrared Thermometer Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Field of View ①	Emissivity ②	Laser	MIN/MAX Readings	Hi/Lo Alarms	Hold	Special Features
1235D37	41	Yes	-7 to 230°F / -22 to 110°C	0.1°	±1 from 15 to 40°C or ±1.5	1:1	0.95 fixed	N/A	Yes	N/A	Yes	Key-chain
1235D27	43	Yes	-4 to 752°F / -20 to 400°C	0.1°	±3 or 3%	7:1	0.2 to 1.00 in 0.1 steps	Yes	Yes	N/A	Yes	Trigger grip
1235D36	42	Yes	0 to 788°F / -20 to 420°C	1°	±1 or 2%	6:1	0.2 to 1.00 in .01 steps	Yes	Yes	Yes	Yes	9 memories
1222W11	43	Yes	-76 to 1022°F / 60 to 550°C	0.1°	±2% or 2°C + 2%	12:1	0.1 to 1.00 in .01 steps	Yes (2)	Yes	Yes	Yes	Two lasers
1235C63	43	Yes	-76 to 932°F / -60 to 500°C	0.1°	±1 + 2%	11:1	0.1 to 1.00 in .01 steps	Yes	Yes	Yes	Yes	Trigger grip
1235C64	44	Yes	-67 to 482°F / -55 to 250°C	0.1°	±1 + 2%	6:1	0.5 to 1.00 in .01 steps	Yes	Yes	N/A	Yes	Wrist strap
1235D35	44	Yes	-76 to 932°F / -60 to 500°C	1°	±2 or 2%	11:1	0.95 fixed	Yes	MAX only	N/A	Yes	Trigger grip
1235C95	44	Yes	-58 to 1832°F / -50 to 1000°C	0.1° to 200, 1° over 200	±1.5°C	50:1	0.95 fixed	Yes	N/A	N/A	Yes	Trigger grip

## ① What is Field of View?

Field of view is similar to a flashlight. The further the object is away, the larger 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 six inches from an object, the sensor is looking at and measuring a one-inch diameter. If the thermometer is 12 inches away, then the spot size being measured is two inches.



## 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.



## Traceable® Infrared Thermometer with Memory Alarm

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

- IR range: 0 to 788°F and -20 to 420°C
- Resolution: 1°, accuracy: ±1°C between -20 and 100°C
- Adjustable emissivity from 0.2 to 1.0
- Field of view is 6:1
- Minimum/maximum/average, 9 memories/HOLD, laser
- Distinctive audible alarm sounds when temperatures rise above or fall below user-set limits
- Size: 6 x 2 x 1¼ inches, weight: 6 ounces

## Traceable to NIST for accuracy

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

Thomas No.	Description
1235D36	Traceable® Infrared Thermometer with Memory Alarm

## Traceable® Noncontact Temperature Indicator

### Laser sighting

- IR range: -4.0 to 752°F and -20 to 400°C
- Resolution: 0.1°, accuracy: ±3°C or ±3% of the reading, whichever is greater
- Adjustable emissivity from 0.2 to 1.0
- Field of view is 7:1
- Minimum/maximum memory/HOLD/Type-K probe
- Size: 7¾ x 4¾ x 2½ inches, weight: 9½ ounce

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D27	Traceable® Noncontact Temperature Indicator

## Traceable® Infrared Dual Lasers Thermometer with Type-K Probe

### Dual lasers indicate the outer diameter of the surface area being measured

- IR Range: -76 to 1022°F and -60 to 550°C
- Resolution: 0.1°, accuracy: ±2% or 2°C + 2%
- Adjustable emissivity may be set from 0.1 to 1.00 in increments of 0.01
- Field of view is 12:1
- Type-K range: -83 to 2552°F and -64 to 1400°C
- Min/Max, average, current temperature along with: emissivity value, maximum memory, minimum memory, differential, average (time weighted), high temperature alarm, low temperature alarm, and probe temperature
- Supplied: Type-K beaded sensor, two batteries, Traceable® Certificate
- Size: 7 x 3¾ x 2 inches, weight: 9 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1222W11	Traceable® Infrared Dual Lasers Thermometer with Type-K Probe

## Traceable® Infrared Thermometer with trigger grip

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

- IR range: -76 to 932°F and -60 to 500°C
- Resolution: 0.1°, accuracy: ±1°C + 2%
- Emissivity is adjustable from 0.10 to 1.00; laser sighting
- Field of view is 11:1
- Supplied Type-K beaded sensor increases temperature range capabilities for every monitoring need, Type-K range: -83 to 2552°F and -64 to 1400°C
- Large display, with low-battery indicator, shows current temperature plus any one of following: emissivity value, MIN or MAX memory, DIF, AVG, HIGH or LOW temperature alarm, Type-K probe temperature
- Size: 7 x 2¾ x 1½ inches, weight: 6 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C63	Traceable® Infrared Thermometer with trigger grip



## Traceable® Infrared Thermometer Gun

**Infrared, point-and-read laser gun provides precision temperature results in less than one second**

- Range: -76 to 932°F and -60 to 500°C
- Resolution: 1°, accuracy:  $\pm 2^\circ\text{C}$  or 2% of reading
- Emissivity is fixed at 0.95
- Perfect portable unit for fast, accurate readings in liquids, solids, pharmaceuticals, and food preparation
- Field of view is 11:1, laser sighting
- Size: 7 x 3 x 1½ inches, weight: 6 ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D35	Traceable® Infrared Thermometer Gun



## Traceable® Infrared Thermometer with wristband

**Laser beam permits perfect sample target sighting**

- Range: -67 to 482°F and -55 to 250°C
- Resolution: 0.1°, accuracy:  $\pm 1^\circ\text{C} + 2\%$
- Emissivity is adjustable from 0.05 to 1.0 to fine-tune specific temperature results
- Field of view is 6:1
- Easy-to-operate key activates laser
- Min/Max feature constantly updates readings
- Size: 4 x 2 x ¾ inches, weight: 2¼ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C64	Traceable® Infrared Thermometer with wristband

## Traceable® Infrared Thermometer Gun

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

- Range: -58 to 1832°F and -50 to 1000°C
- Resolution: 0.1° to 200, 1° over 200, accuracy:  $\pm 1.5^\circ\text{C}$
- Emissivity is fixed at 0.95
- Field of view is 50:1, laser sighting
- Size: 9 x 4 x 2¼ inches, weight: 10 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C95	Traceable® Infrared Thermometer Gun





### Type-K Probe Thermometer Specifications Chart

Thomas No.	Page No.	Traceable® Certificate Supplied	Range	Resolution	Accuracy (°C)	Length (inch)		Waterproof Total Unit/ Cable/Probe	Unit Size (inches)	Alarm	Display MIN/MAX
						Probe	Cable				
<b>1227T99</b>	<b>45</b>	Yes	–328 to 2372°F / –200 to 1300°C	0.1° / 1°	±0.3% + 1°C	0.13	48	y/y/y	3 x 7 x 1¼	no	yes
<b>1227U00</b>	<b>45</b>	Yes	–58 to 2000°F / –50 to 1300°C	0.1° / 1°	±0.3% + 1°C	0.13	48	n/y/y	3 x 7¼ x 1¼	no	max only
<b>1230N24/N25</b>	<b>46</b>	Yes	–58 to 1382°F / –50 to 750°C	1°	±(0.75% + 1°C)	0.13	48	n/y/y	2¾ x 4¼ x 7⁄8	no	no
<b>1235C59</b>	<b>46</b>	Yes	–328 to 2498°F / –200 to 1370°C	0.1° / 1°	±0.1	0.13	48	n/y/y	3¼ x 7 x 1½	yes	yes
<b>1230N26</b>	<b>46</b>	Yes	–58.0 to 2372°F / –50.0 to 1300°C	0.1°/1°	±(0.75% + 1°C)	5	40	n/n/y	2¾ x 5½ x 1¼	no	no
<b>1235C60/N61</b>	<b>47</b>	Yes	–40 to 2000°F / –40 to 1200°C	1°	±(1°C + 1%)	0.13	48(2)	n/y/y	3 x 5 x 1	no	no
<b>1235C90</b>	<b>47</b>	Yes	–50 to 1999°F / –50 to 1230°C	0.1°/1.0°	±(0.75% + 1°C)	0.13	48(2)	n/y/y	7 x 3 x 1¼	no	yes
<b>1235C89</b>	<b>48</b>	Yes	–58 to 1999°F / –50 to 1300°C	1°	±0.3% + 1°C	0.13	48(2)	n/y/y	2¾ x 5¼ x 1¼	no	max only
<b>1235C88</b>	<b>48</b>	Yes	–50 to 1999°F / –50 to 1300°C	0.1°/1.0°	±0.3% + 1°C	0.13	48	n/y/y	2¾ x 5¼ x 1¼	no	max only

## Traceable® Waterproof Type-K Thermometer

**Amazing rubber boot covers thermocouple to maintain waterproof integrity**

- Range: –328 to 2372°F (–200 to 1300°C)
- Resolution: 0.1° / 1°, accuracy: ±0.3% of reading + 1.0°C between –200 to 2000°C; 0.5% of reading + 1.0°C elsewhere
- Thermometer remains waterproof even with thermocouple attached
- Min/Max key rapidly recalls highest and lowest temperature reading achieved
- Probe: instant response Type-K beaded, 48-inch cable
- Size: 3 x 7¼ x 1¼ inches, weight: 7 ounces
- Supplied: battery, probe, boot, carrying case, cable, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
<b>1227T99</b>	<b>Traceable® Waterproof Type-K Thermometer</b>

## Traceable® Big-Digit Type-K Thermometer

**Big digits measure over 0.6-inch high and are readable from 15 feet away**

- Range: –58 to 2000°F and –50 to 1300°C
- Resolution: 0.1° and 1°; accuracy ±0.3% of reading + 1°C
- Use with all Type-K probes
- Supplied: Type-K probe, 4-foot cable
- Size: 3 x 7¼ x 1¼ inches, weight: 7 ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
<b>1227U00</b>	<b>Traceable® Big-Digit Type-K Thermometer</b>

## Traceable® Pocket-Size™ Thermometer °F/°C

Lab workhorse with new microchip design provides ultra-low cost and ultra-high precision

- Range: -58 to 1382°F or -50 to 750°C
- Resolution: 1°, accuracy:  $\pm(1^\circ\text{C} + 0.75\%)$  from 0 to 500°C;  $\pm(1^\circ\text{C} + 1\%)$  from 500 to 750°C
- Instant-response Type-K beaded probe
- Cable length is 48 inches
- Size:  $2\frac{3}{4} \times 4\frac{1}{4} \times \frac{7}{8}$  inches, weight: 4 ounces
- Supplied: 9V battery, probe, cable, carrying case, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1230N24	Traceable® Pocket-Size™ Thermometer °F
1230N25	Traceable® Pocket-Size™ Thermometer °C

## Traceable® Workhorse™ Thermometer

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

- Range: -58.0 to 2372°F (-50.0 to 1300°C)
- Resolution: 0.1° between -50.0 to 200.0 and 1° elsewhere
- Accuracy:  $\pm(1^\circ\text{C} + 0.75\%)$  between 0 to 500°C;  $\pm(1^\circ\text{C} + 1\%)$  500 to 750°C;  $\pm(1^\circ\text{C} + 2\%)$  750 to 1000°C;  $\pm(3^\circ\text{C} + 4\%)$  1000 to 1200°C;  $\pm 2^\circ\text{C}$  at -20;  $\pm 3^\circ\text{C}$  at -40; and  $\pm 4^\circ\text{C}$  at -50
- Recessed adjustable offset offers increased accuracy
- Probe Size: 5 inches, stem  $3\frac{1}{8}$  inches,  $\frac{1}{8}$ -inch diameter; cable length is 40 inches
- Size:  $2\frac{3}{4} \times 5\frac{1}{2} \times 1\frac{1}{4}$  inches, weight: 6 ounces
- Supplied: battery, probe, cable, stand, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1230N26	Traceable® Workhorse™ Thermometer



Adjustable Offset

## Traceable® Total-Range Thermometer

For use with any Type-K probe/flip stand for bench-top use

### Thermometer Features

- Temperature range: -328 to 2498°F (-200 to 1370°C)
- Resolution: 0.1° and 1°,  $\pm 1^\circ\text{C}$  between -50°C to 740°C; elsewhere  $\pm 2^\circ\text{C}$
- Minimum/maximum memory/alarm
- Supplied: Type-K thermocouple probe

### Timer Features

- 1 channel
- Timing capacity: 23 hours, 59 minutes to 1 minute
- Accuracy:  $\pm 0.01\%$
- Size:  $3\frac{1}{4} \times 7 \times 1\frac{1}{2}$ -inch, weight: 8 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C59	Traceable® Total-Range Thermometer
1235C62	Accessory (Replacement) Beaded Probe (see page 47)



## Traceable® Expanded-Range Thermometer °F/°C, two probes

### Small, lightweight, and shockproof

- Temperature range: -40 to 2000°F or -40 to 1200°C
- Resolution: 1°, accuracy:  $\pm(1^{\circ}\text{C} + 1\%)$  from 0 to 750°C and 32 to 1382°F
- Supplied: two Type-K probes
- Size: 3 x 5 x 1-inch, weight: 3 7/8 ounces

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235C60	Traceable® Expanded-Range Thermometer °F
1235C61	Traceable® Expanded-Range Thermometer °C
1235C62	Accessory (Replacement) Beaded Probe
8331A22	Easy-Use Accessory Adapter 115 VAC

## Traceable® Double Thermometer

### Computer output for data logging

- Temperature range: -50 to 1999°F or -50 to 1230°C
- Resolution: 0.1° (from -50.0 to 199.9°F) and 1° elsewhere, accuracy:  $\pm(1^{\circ}\text{C} + 0.75\%)$
- Minimum/maximum/average memory/2 channels/HOLD
- Computer output and Data Logger
- Supplied: two Type-K probes, Traceable® Certificate
- Size: 7 x 3 x 1 1/4 inches, weight: 9 1/2 ounces

### Traceable to NIST for accuracy

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



Computer Output

Thomas No.	Description
1235C90	Traceable® Double Thermometer
6794L40	Computer Data Acquisition System Software with USB cable (complete description on page 67)
6794L42	Data Logger (complete description on page 67)

## Type-K Beaded Probe

### Triple purpose probe with waterproof cable

- Temperature range: -40 to 250°C continuous or 300°C for short-term use
- Use with all Type-K thermometers
- Diameter is 0.06-inch, PTFE cable length is 4 feet, weight: 1/2 ounces

Thomas No.	Description
1235C62	Type-K Beaded Probe





## Traceable® Two-Channel Thermometer with Offsets

### View the difference between probes

- Temperature range: -58 to 1999°F and -50 to 1300°C
- Resolution: 1°, accuracy:  $\pm 0.3\%$  plus 1°C
- Maximum only/memory/two channels/Hold
- Adjustable offsets allow user to set temperatures
- Supplied: two Type-K probes, Traceable® Certificate
- Size: 2¾ x 5¼ x 1¼ inches, weight: 5½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C89	Traceable® Two-Channel Thermometer with Offsets



User Adjustable Calibration Offsets

## Traceable® Digital Thermometer with Recorder Output

### Use with any chart recorder/strip recorder, computer

- Temperature range: -50 to 1999°F and -50 to 1300°C
- Resolution: 0.1° from -50.0 to 199.9° and 1° elsewhere, accuracy:  $\pm 0.3\%$  plus 1°C
- Maximum only/Hold
- Supplied: Type-K probe, Traceable® Certificate
- Size: 2¾ x 5¼ x 1¼ inches, weight: 5½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C88	Traceable® Digital Thermometer with Recorder Output



## Traceable® Disposable Temperature Strip-Chart Recorder

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

- Temperature range: -20 to 100°F and -28 to 38°C
- Resolution: 2.8°C or 5°F, accuracy:  $\pm 1^\circ\text{C}$  ( $\pm 2^\circ\text{F}$ )
- Records for 10 or 40 days
- Size: 5¼ x 3¾ x 2½ inches, weight: 10 ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D05	Traceable® Disposable Temperature Strip-Chart Recorder, 10 Days
1235D06	Traceable® Disposable Temperature Strip-Chart Recorder, 40 Days



## Traceable® Memory-Card Humidity/Temperature/Dew Point

**NEW**

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

- Unit captures 5.9 million readings with 256 mb removable SD memory card
- USB memory card reader plugs directly into Windows and Mac—no software to install
- Temperature range: 0 to 50.0°C, resolution: 0.1°, accuracy: ±1°C
- Humidity range: 0.0 to 90.0%, resolution: 0.1, accuracy: ±5%RH at 25°C between 20 to 85%RH
- Dew Point range: -20.0 to 50.0°C, resolution: 0.1°
- Size: 4¼ x 3½ x 1¼ inches, weight: 7 ounces
- Supplied: 256 mb SD memory card, USB memory card reader, magnetic strips, Velcro®, wall mount, bench stand, batteries, adaptor, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1208T91	Traceable® Humidity/Temperature/Dew Point/Frost Point Meter

## Traceable® Digital Humidity Temperature/Dew Point Meter

**NEW**

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

### Humidity Features

- Relative humidity range: 1 to 99%, resolution: 1%, accuracy: ±2% mid-range, ±4% elsewhere
- Visual LED and audible alarm may be set to trigger at three different humidity readings

### Temperature Features

- Ambient temperature and dew point range: 14 to 140°F (-10 to 60°C), resolution: 1°, accuracy: ±1°C
- Size: 2½ x 3½ x ¾ inches, weight: 6 ounces
- Supplied: wall mount, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1204N56	Traceable® Thermometer/Clock/Humidity Monitor



## Traceable® Thermometer/Clock/Humidity Monitor

Simultaneously displays time of day, temperature, and humidity

### Clock Features

- Resolution: 1 minute, accuracy: 0.01%

### Temperature Features

- Range: 32.0 to 122.0°F (0.0 to 50.0°C)
- Resolution: 0.1°, accuracy: ±1°C
- Min/Max memory

### Humidity Features

- Range: 20 to 90%
- Resolution: 1%, accuracy: ±4%
- Min/Max memory
- Size: 4¼ x 2¼ x ½ inch, weight: 2½ oz.
- Supplied: stand, wall mount, double-back tape, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
9337T07	Traceable® Thermometer/Clock/Humidity Monitor

## Traceable® Hygrometer/Thermometer/Barometer/Dew Point Pen

Measures humidity, temperature, barometric pressure and dew point

- User-selectable dual display
- Water resistant/lightweight and compact
- MIN/MAX Memory/HOLD

### Humidity Features

- Relative humidity range: 10.0 to 95.0%
- Resolution: 0.1%, accuracy:  $\pm 3\%$  RH

### Thermometer Features

- Temperature range: 0.0 to 50.0°C
- Resolution: 0.1°C, accuracy:  $\pm 1^\circ\text{C}$

### Barometer Features

- Barometric pressure ranges are 10.0 to 1100 hPa; 7.5 to 825.0 mm Hg; 0.29 to 32.48 inches Hg
- Resolution: 0.1 and 1 hPa; 0.1 mm Hg; 0.01 inches Hg
- Accuracy:  $\pm 4$  hPa

### Dew Point Features

- Dew point range:  $-25.3$  to  $48.9^\circ\text{C}$
- Resolution: 0.1°, accuracy:  $\pm 1^\circ\text{C}$
- Size: 1½ inch diameter x 8 inches, weight: 5 ounces
- Supplied: metal clip, battery, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description
1227U10	Traceable® Hygrometer/Thermometer/Barometer/Dew Point Pen

## Traceable® Radio-Signal Remote Humidity Meter/Thermometer

Displays humidity and temperature from 100 feet away

### Humidity Features

- Relative humidity range: 25 to 90%
- Resolution of 1%, accuracy:  $\pm 2\%$  RH mid-range to  $\pm 4\%$  RH elsewhere
- Minimum/maximum memory, Hi/Lo alarm may be set in increments of 1% RH and 1°

### Thermometer Features

- Temperature range:  $-4$  to  $140^\circ\text{F}$  ( $-20$  to  $60^\circ\text{C}$ ), with a resolution of 0.1° and an accuracy of  $\pm 1^\circ\text{C}$
- Remote module transmits on a radio frequency of 433 MHz; penetrating walls range of 100 feet
- Main unit: 4¼ x 4½ x ¾", weight: 6 oz; remote module: 2½ x 3½ x ¾", weight: 3 oz
- Supplied: stand, wall brackets, Velcro®, batteries, Traceable® Certificate, one main unit (receiver), one remote sensor module



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D31	Traceable® Radio-Signal Remote Humidity Meter/Thermometer
1235D32	Additional Traceable® Humidity/Thermometer Remote Sensor Module
May be set to channel 1, 2, or 3. Total of three modules may be used with main unit	

## Traceable® Humidity/Temperature Pen

Quickly view temperature and RH—clip for pocket

- Humidity range: 20 to 95% RH, resolution: 1%, accuracy:  $\pm 3.5\%$  RH midrange to  $\pm 5.5\%$  RH elsewhere
- Temperature range: 0.0 to 50.0°C, resolution: 0.1°, accuracy:  $\pm 1^\circ\text{C}$
- Minimum/maximum memory
- Size: 5½ x 7⁄8 x 2⁄8-inch, weight: 1¼ ounces
- Supplied: pocket-clip, battery



### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C80	Traceable® Humidity/Temperature Pen





## Traceable® Humidity/Temperature Meter

### Handheld, compact unit is easy to operate

- Relative humidity range: 10 to 95%, resolution: 0.1%, accuracy:  $\pm 2.5\%$  RH mid-range to  $\pm 5\%$  RH elsewhere
- Temperature range: 4 to 140°F (20 to 60°C), resolution: 0.1°, accuracy:  $\pm 0.1$
- Functions: HOLD, °F/°C key, analog output signal (10 mV, 1% RH or 1 °F/°C) to use with chart recorder
- Size: 2¾ x 10½ x 1-inch, weight: 7 ounces
- Supplied: Traceable® Certificate, battery, hard carrying case

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235D02	Traceable® Humidity/Temperature Meter

## Traceable® Pocket Dew Point/Hygrometer/Thermometer

### Humidity, dew point, temperature fast-response display

- Relative humidity range: 0 to 100.0% RH
- Resolution: 0.1%, accuracy:  $\pm 3\%$  RH mid-range to  $\pm 4\%$  RH elsewhere
- Dew point and temperature range: -4.0 to 122°F (-20.0 to 50.0°C), resolution: 0.1°, accuracy:  $\pm 1^\circ$  C
- Minimum/maximum memory/HOLD
- Size: 6½ x 2 x ¾ inches, weight: 3 ounces
- Supplied: Traceable® Certificate, two batteries

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D34	Traceable® Pocket Dew Point/Hygrometer/Thermometer

## Traceable® Humidity/Temperature Meter with Dual Min/Max Memories

### Supplied with bench stand or wall mount

- Relative humidity range: 25 to 95%, resolution: 1% RH, accuracy:  $\pm 2\%$  RH mid-range to  $\pm 4\%$  RH elsewhere
- Temperature range: 32 to 122°F (0 to 50°C), resolution: 1°, accuracy:  $\pm 1^\circ$  C
- Minimum/maximum memory
- Size: 2½ x 3¾ x ½-inch, weight: 2½ ounces
- Supplied: probe, stand, wall-mount, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235C81	Traceable® Humidity/Temperature Meter with Dual Min/Max Memories

## Traceable® Hygrometer/Thermometer

### Sampling rate 2½ times per second/bench stand and wall mount

- Relative humidity range: 25 to 95%
- Resolution: 1% RH, accuracy:  $\pm 2\%$  RH mid-range otherwise 4% RH
- Temperature range: 32 to 122°F (0 to 50°C), resolution: 0.2°F (0.1°C), accuracy:  $\pm 1^\circ$  C (0 to 40°C) otherwise 2°C
- Size: 3½ x 5 x ¾-inch, weight: 6 ounces
- Supplied: wall mount, stand, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235C78	Traceable® Hygrometer/Thermometer

## Traceable® Humidity/Temperature/Dew-Point/Frost-Point Meter

### Resolution of 0.01% RH

- Resolution: 0.01% and accuracy:  $\pm 1.5\%$  RH
- Temperature range:  $-40.00$  to  $104.0^\circ\text{C}$ , resolution:  $0.01^\circ$ , accuracy:  $\pm 0.4^\circ\text{C}$  ( $0$  to  $40^\circ\text{C}$ ) elsewhere  $1^\circ\text{C}$
- Dew point range:  $-40.00$  to  $140.0^\circ\text{F}$  ( $-40.00$  to  $60.00^\circ\text{C}$ ), resolution:  $0.01^\circ$
- Size:  $5\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{4}$ -inch, weight: 12 ounces
- Supplied: probe, ABS plastic case, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
<b>6066T05</b>	<b>Traceable® Humidity/Temperature/Dew Point/Frost Point Meter</b>
Fast response Model. Range: 5.00 to 95.00% RH, response time of 10 seconds, stainless-steel probe with a diameter of 0.4 inches.	
<b>1235C76</b>	<b>Traceable® Humidity/Temperature/Dew Point/Frost Point Meter</b>
Universal Model. Range: 10.00 to 95.00% RH, with response time of 30 seconds and an epoxy probe with a diameter of 0.4 inches.	
<b>6066T11</b>	<b>AC Adaptor</b>



## Traceable® Printing Hygrometer/Thermometer

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

#### Humidity Features

- Range: 10 to 95% RH
- Resolution: 0.1% RH, accuracy:  $\pm 2\%$  RH mid-range to  $\pm 5\%$  RH elsewhere

#### T1 Temperature Features

- Temperature range:  $-20$  to  $60^\circ\text{C}$
- Resolution:  $0.1^\circ$ , accuracy:  $\pm 1.8^\circ\text{F}$  ( $\pm 1^\circ\text{C}$ )
- Humidity/T1 probe is  $\frac{3}{4}$ -inch diameter x  $6\frac{1}{4}$ -inch, cable length is 4 feet

#### T2 Type-K Temperature Features

- Temperature range:  $-200$  to  $1333^\circ\text{C}$
- Resolution:  $0.1^\circ\text{F}$  (from  $-328$  to  $999.9^\circ\text{F}$ ) elsewhere  $1^\circ$
- Accuracy:  $\pm(0.2\%$  of the reading plus  $1.8^\circ\text{C})$
- Minimum/maximum/memory; hard-copy print-out time displayed in 24-hour format
- T2 probe is 0.06-inch diameter, 4-foot cable

#### Exclusive Features

- Dew point display
- Size:  $7\frac{1}{2} \times 3 \times 1\frac{1}{2}$ -inch, weight: 10 ounces
- Supplied: T1, T2 probes, probe holder/stand, carrying case, paper rolls, batteries, Traceable® Certificate



### Traceable to NIST for accuracy

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

Thomas No.	Description
<b>1235D00</b>	<b>Traceable® Printing Hygrometer/Thermometer</b>

## Traceable® Jumbo Humidity/Temperature Meter

### Extra-large display ( $1\frac{1}{8}$ -inch LCD) for effortless viewing

- Relative humidity range: 25 to 95%
- Resolution: 1% RH and accuracy:  $\pm 2\%$  mid-range to  $\pm 4\%$  elsewhere
- External sensor temperature range:  $-50$  to  $70^\circ\text{C}$ , ambient sensor temperature range:  $-5$  to  $50^\circ\text{C}$
- Resolution:  $1^\circ$ , accuracy:  $\pm 1^\circ\text{C}$
- Size:  $4\frac{1}{4} \times 4 \times \frac{3}{4}$ -inch, weight:  $5\frac{3}{8}$  ounces
- Supplied: probe, stand, wall mount, batteries, Traceable® Certificate

Thomas No.	Description
<b>6066N53</b>	<b>Traceable® Jumbo Humidity/Temperature Meter</b>



### Traceable to NIST for accuracy

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

## Traceable® Memory Hygrometer/Thermometer

### Measure temperature and humidity with this convenient unit

- Functions: HOLD, °F/°C, MIN/MAX, memory storage, low battery indicator
- Measures dew point and has alarms for out-of-range conditions (model 1235D33 only)
- Probe dimensions: 8½ inches x ⅜-inch diameter; 3-foot cable
- Size: 7⅞ x 2¾ x 1¼ inches, weight 10¾ ounces
- Supplied: ABS plastic case, carrying case, battery

### Specifications Chart

Catalog No.	1235D01	1235D33
RH Range	10 to 95%	0 to 95%
Resolution	0.1% RH	0.1% RH
Temperature	0 to 122°F (–18 to 50°C)	0 to 122°F (–18 to 50°C)
Resolution	0.1°	0.1°
Accuracy	±2% mid-range, elsewhere ±4%	±2% mid-range, elsewhere ±4%
Dew Point	N/A	32 to 122°F (0 to 50°C)
Resolution	N/A	0.1°



### Traceable to NIST for accuracy

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

## Traceable® Remote Alarm RH/Temperature Monitor

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

- Humidity range: 20 to 99% RH, resolution of 1%, accuracy: ±3% RH midrange to ±5%
- Temperature range: –58.0 to 158.0°F (–50.0 to 70.0°C), resolution: 0.1°, accuracy: ±1°C
- Minimum/maximum memory/alarm RH/temperature
- Remote RH/temperature sensor on 7-foot cable
- Size: 4¼ x 2¾ x ¾ inches, weight: 4 ounces
- Supplied: probe, stand, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Humidity/Temperature sensor

Thomas No.	Description
1235C96	Traceable® Remote Alarm RH/Temperature Monitor

## Traceable® Memory Humidity/Temperature Meter

### Displays simultaneously probe and ambient temperature, and ambient humidity

- Relative humidity range: 25 to 95%, resolution: 1% RH and accuracy: ±2% mid-range to ±4% elsewhere
- External sensor temperature range: –58 to 158°F (–50 to 70°C)
- Ambient sensor temperature range: 32 to 122°F and 0 to 50°C
- Resolution: 1°, accuracy: ±1°C
- MIN/MAX memory/displays ambient and probe temperatures
- Size: 6 x 3¾ x ½-inch, weight: 6 ounces
- Supplied: stand, wall mount, internal humidity sensor, external/internal temperature sensors, 10-foot cable, two batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235C77	Traceable® Memory Humidity/Temperature Meter





## Traceable® Dew-Point/Wet-Bulb/Humidity/Temperature Alarm

**A settable high/low alarm for all four readings**

### Humidity Features

- Humidity range: 1 to 99% RH
- Resolution: 0.1%, accuracy:  $\pm 4\%$  between 20 to 80% RH
- Dew point, wet-bulb functions
- Min/max memories, HI/LO alarms

### Thermometer Features

- Range:  $-40$  to  $158^{\circ}\text{F}$  ( $-40$  to  $70^{\circ}\text{C}$ )
- Resolution:  $0.1^{\circ}$  below  $100^{\circ}$ , accuracy:  $\pm 1^{\circ}\text{C}$
- Min/Max memories, Hi/Lo alarms
- Size:  $4\frac{1}{8} \times 4\frac{1}{8} \times 1$ -inch, weight:  $\frac{1}{4}$  ounces
- Supplied: stand, batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1235C97	Traceable® Dew-Point/Wet-Bulb/Humidity/Temperature Alarm

## Traceable® Workstation Barometer with Clock

**Measures barometric pressure and graphically displays the barometric trend**

- Displays temperature and time of day/date
- Adjustable altitude compensation from  $-900$  to  $3600$  feet ( $-300$  to  $1200$  meters)
- Forecasting indicators show weather conditions for the next 12-hours using symbols for sunny, cloudy, and rainy
- Clock shows time in AM/PM or 24-hour format and date
- Barometric range:  $23.62$  to  $31.01$  inHg /  $800$  to  $1050$  mbar, resolution:  $0.063$  inHg /  $1$  mbar, accuracy:  $\pm 6$  mb ( $890$  to  $1020$  mb); elsewhere  $\pm 10$  mb
- Temperature range:  $-58$  to  $158^{\circ}\text{F}$  ( $-50$  to  $70^{\circ}\text{C}$ ), resolution:  $0.5^{\circ}$ , accuracy:  $\pm 1^{\circ}\text{C}$  (between  $32$  to  $104^{\circ}\text{F}$  /  $0$  to  $40^{\circ}\text{C}$ ); elsewhere  $\pm 2^{\circ}\text{C}$
- Size:  $7\frac{3}{4} \times 2\frac{1}{2} \times 3$  inches, weight:  $8$  ounces
- Supplied: batteries, Traceable® Certificate

Thomas No.	Description
1204N55	Traceable® Workstation Barometer with Clock

**NEW**



### Traceable to NIST for accuracy

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

## Traceable® Workstation Digital Barometer

**Instant barometric pressure, trend graph, temperature in an attractive desktop unit**

### Barometer Features

- Barometric ranges:  $23.62$  to  $31.01$  inches of Hg;  $800$  to  $1050$  millibars (mbar)
- Resolution:  $0.03$  inches of mercury and  $1$  mbar
- Accuracy:  $\pm 0.2$  inches of mercury ( $\pm 6$  mbar between  $900$  to  $1050$  mbar)
- Forecasting indicators show weather over next 12 hours; symbols: sunny, cloudy, rainy, and partly cloudy

### Thermometer Features

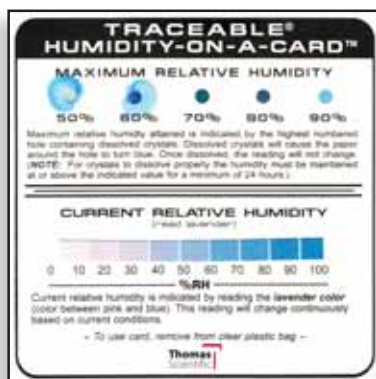
- Range:  $15$  to  $158^{\circ}\text{F}$  ( $-9.5$  to  $70^{\circ}\text{C}$ )
- Resolution:  $0.5^{\circ}\text{C}$ , accuracy:  $\pm 1^{\circ}\text{C}$
- Clock shows time in AM/PM and 24-hour formats
- Size:  $4 \times 4 \times 2\frac{1}{4}$ -inch, weight:  $4$  ounces
- Supplied: batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1232E80	Traceable® Workstation Digital Barometer





## Traceable® Humidity-On-A-Card

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

- Displays current relative humidity range from 0 to 100%
- Resolution: 10% RH, accuracy:  $\pm 5\%$  RH at 75°F (24°C)
- Maximum range: a non-reversible color change display
- Card Size: 4 x 4 inches

### Traceable to NIST for accuracy

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

Thomas No.	Description
6066K05	Traceable® Humidity-On-A-Card (6/pk)



## Dial Hygrometer/Thermometer

No maintenance required

- Analog
- Relative humidity range: 0 to 100% relative humidity
- Temperatures range: -40 to 122°F (-40 to 50°C)
- Resolution: 1% RH and 1°, accuracy:  $\pm 2.5\%$  RH at 50% RH and  $\pm 1.5^\circ\text{C}$
- Supplied: screw, hanger, battery
- Size: 6-inch diameter x 1 inch, weight: 8 ounces

Thomas No.	Description
6066K18	Dial Hygrometer/Thermometer



## Humidity Sponge™

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
- Bags are certified as ISO Class 5 (Class M3.5) cleanroom-compatible
- Indicator Sponge shows when moisture capacity has been reached
- Size: 3 x 3 x 1/4-inch, weight: 3/8 ounce

Thomas No.	Description
3743A04	Humidity Sponge™ Regenerable (40/pack)
3743A02	Humidity Sponge™ Indicator (40/pack)



## Desi-Vac™ Vacuum Pump Containers

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

- Keeps materials dry
- Comes in three sizes
- Instant vacuum release button
- Can be used to ship samples
- Supplied: sample desiccant pack

Thomas No.	Volume	Dimensions
3760L40	600 cc	42 in <sup>3</sup> 4 1/8 x 4 1/4 inches
3760L46	1100 cc	91 in <sup>3</sup> 4 1/8 x 7 1/4 inches
3760L49	3,000 cc	183 in <sup>3</sup> 8 1/2 x 7 x 6 1/2-inch

## Traceable® Hand Held Barometer

Barometer, altimeter, thermometer, stopwatch, compass, and time-of-day clock—all in the palm of your hand!

### Barometer Features

- Barometric pressure: 8.85 to 32.45 inHg, 300 to 1100 mbar
- Resolution of 0.01 inHg/1 mbar, accuracy:  $\pm 0.2363$  inHg ( $\pm 8$  mbar) at tested points
- Barometric pressure trend shows current reading and previous 2-, 4-, 6-, 8-, 10-, and 12-hours in bar-chart format

### Altimeter Features

- Altitude range: -2296 to 29520 ft (-700 to 9000 meters)
- Resolution of 0.1 from -500 to 999.9, 1 otherwise
- Compass feature displays real time direction in whole circle bearing, or compass bearing

### Thermometer Features

- Thermometer range 14 to 140 °F (-10 to 60°C)
- Resolution of 0.1°, accuracy:  $\pm 1.5^\circ\text{C}$

### Timing Features

- Timing capacity: 1 sec to 23 hrs, 59 min, 59 sec
- Resolution: 1 sec

### Other Features

- Compass feature displays real time direction in whole circle bearing, or compass bearing
- Size:  $3\frac{3}{4} \times 2\frac{3}{4} \times \frac{3}{4}$ -inches, weight:  $3\frac{1}{2}$  ounces
- Supplied: lanyard, 2 batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D03	Traceable® Hand Held Barometer

## Traceable® Precision Dial Barometer

Pointer for referencing pressure changes

- Atmospheric pressure ranges: 954 to 1073 millibars, 28.1 to 31.7 inHg, and 715 to 805 mmHg
- Resolution: 0.5 mbar, 0.05-inHg, and 0.5 mmHg, accuracy:  $\pm 0.5\%$  of reading
- Size:  $4\frac{1}{2}$ -inch diameter by  $1\frac{1}{2}$  inches, weight: 1 pound
- Supplied: wall-mounting slot, stand, Traceable® Certificate

### Traceable to NIST for accuracy

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



Thomas No.	Description
1235D04	Traceable® Precision Dial Barometer

## Wireless Weather System

Weather System is a complete professional wireless weather station

- Minimum/maximum readings for all measurements
- Displays temperature, humidity, dew point, heat index, barometric pressure/pressure bar graph, weather forecast, wind direction/speed, wind-chill, rainfall amount, and atomic clock/calendar/moon phase
- Programmable alarms for all measurements signal out-of-range conditions
- Data logger holds up to 291 days of data
- Size:  $7\frac{1}{2} \times 5\frac{3}{4} \times 1\frac{1}{2}$  inches, display is  $6 \times 3\frac{3}{4}$  inches
- Supplied: AC adaptor, batteries

Ranges		Resolution
Temperature	Indoor range: 32 to 122.0°F and 0 to 50.0°C	0.1°C
	Outdoor range: -58 to 158°F and -50 to 70°C	
Humidity	Indoor range: 2 to 98%	1% RH
	Outdoor range: 2 to 98%	
Dew Point	Indoor range: 32 to 120°F and 0 to 49°C	1°C
	Outdoor range: 14 to 140°F and 10 to 60°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

Thomas No.	Description
9867A26	Wireless Wether System







## Traceable® Hot Wire Anemometer/Thermometer

### Telescoping probe expands from 9½ inches to 3 feet

- Air velocity ranges/resolution (see chart below)
- Accuracy:  $\pm(1\% \text{ full scale plus } 1 \text{ digit})$
- Temperature accuracy:  $\pm 0.8^\circ\text{C}$  ( $1.5^\circ\text{F}$ )
- Minimum/maximum, memory, data hold, computer output
- Size: 7 x 3 x 1¼ inches, weight: 9½ ounces

Air Velocity Range	Resolution
0.2 to 20.0 meters per second	0.1 m/sec.
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
0.0 to 50.0°C 32.0 to 122.0°F	°C and °F 0.1°

Thomas No.	Description
1235D16	Traceable® Hot Wire Anemometer/Thermometer

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



## Traceable® Micro-Anemometer/Thermometer

### Tiny unit measures air velocity in five user selectable values

- Data hold/backlit display
- Size: 1¾ x 4 x ⅝ inches; weight: 1 ounce
- Supplied: Traceable® Certificate, lanyard, nylon carrying case, battery

### Traceable to NIST for accuracy

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



Specifications Chart	
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	$\pm 5\%$ full scale
Temperature Range	-20.0 to 80.0°C (-4.0 to 176.0°F)
Temperature Resolution	0.1°
Temperature Accuracy	$\pm 1^\circ\text{C}$

Thomas No.	Description
1227T98	Traceable® Micro Anemometer/Thermometer

## Traceable® Digital Anemometer/Thermometer

### Instant, air velocity updating

- Air velocity ranges/resolution (see chart below)
- Accuracy:  $\pm(2\% + 1 \text{ digit})$
- Temperature accuracy:  $\pm 1^\circ\text{C}$
- Data HOLD
- Probe size: 2½-inch length, wind vane diameter is 2¾ inches, and cable length is 4 feet
- Unit is 6¼ x 3 x 1¼ inches, weight: 1 pound

### Traceable to NIST for accuracy

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

Air Velocity Range	Resolution
0.4 to 30.0 meters per second	0.1 m/sec.
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
0.0 to 60.0°C 32.0 to 140.0°F	°C and °F 0.1°

Thomas No.	Description
1235C79	Traceable® Digital Anemometer/Thermometer

## Enviro-Meter™

Provides in a single handheld package an anemometer, humidity meter, light meter, and two thermometers

### Anemometer Features

- Range: 80 to 5910 feet per minute (resolution 1 ft/min); 0.4 to 30.0 meters per second (resolution 0.1 m/s); 1.4 to 108.0 kilometers per hour (resolution 0.1 km/hr); 0.9 to 67.0 miles per hour (resolution 0.1 mph); 0.8 to 58.3 knots (resolution 0.1 knot)
- Accuracy under 20 meters per second is  $\pm 3\%$  of full scale reading and over 20 meters per second is  $\pm 4\%$  full scale reading

### Humidity Features

- Range: 10.0 to 95.0%RH
- Resolution: 0.1% RH, accuracy under 70% is  $\pm 4\%$  RH and over 70% is  $\pm (4\% \text{ of the reading plus } 1.2\% \text{ RH})$

### Thermometer Features

- Internal sensor temperature range: 32 to 122°F/0 to 50°C
- Accuracy:  $\pm 1.2^\circ \text{C}$
- External probe temperature range: -148 to 2372°F/-100 to 1300°C
- Resolution: 0.1°, accuracy:  $\pm (1\% \text{ of the reading plus } 1^\circ \text{C})$

### Additional Features

- Light meter range: 0 to 20,000 lux (resolution 1 lux) and 0 to 2000 foot candles (resolution 1 fc)
- Accuracy:  $\pm 5\%$  of reading and  $\pm 8$  digits
- Features HOLD key and handy wrist strap
- Supplied: Type-K beaded external probe, 4-foot cable
- Size: 7 x 2½ x 1¼ inches, weight: 6 ounces



Thomas No.	Description
1094L57	Enviro-Meter™

## Traceable® Manometer Pressure/Vacuum Gauge

Portable unit measures and displays differential pressure/vacuum in 11 different units: psi, mbar, bar, cm/H<sub>2</sub>O, inch/H<sub>2</sub>O, feet/H<sub>2</sub>O, mm/Hg, inch/Hg, kg/cm<sup>2</sup>, oz./inch<sup>2</sup>, and kPa

- Memory key recalls highest/lowest readings
- Accuracy:  $\pm 0.3\%$  of full-scale between 0 and 50°C
- Provides a 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
- Computer output/differential feature permits reading the difference of the pressure or vacuum between two unique sources
- Dimensions are 7½ x 2¾ x 1½ inches
- Accepts tubing from 1/16 to 5/16 in. I.D.

### Traceable to NIST for accuracy

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

Cat. No.	1227T94	1227T97
Maximum Allowed PSI	20	150
PSI Range	-5.000 to 5.000	-100.0 to 100.0
PSI Resolution	0.003	0.1
mbar Range	-345.0 to 345.0	-6895 to 6895
mbar Resolution	0.2	4
bar Range	-0.3450 to 0.3450	-6.895 to 6.895
bar Resolution	0.001	0.004
cm/H <sub>2</sub> O Range	-351.0 to 351.0	-7031 to 7031
cm/H <sub>2</sub> O Resolution	0.2	4
inch/H <sub>2</sub> O Range	-138.0 to 138.0	-2768 to 2768
inch/H <sub>2</sub> O Resolution	0.1	2
feet/H <sub>2</sub> O Range	-12.00 to 12.00	-231.0 to 231.0
feet/H <sub>2</sub> O Resolution	0.01	0.2
mm/Hg Range	-259.0 to 259.0	-5171 to 5171
mm/Hg Resolution	0.2	3
inch/Hg Range	-10.00 to 10.00	-204.00 to 204.00
inch/Hg Resolution	0.01	1.0
kg/cm <sup>2</sup> Range	-0.350 to 0.350	-7.030 to 7.030
kg/cm <sup>2</sup> Resolution	0.001	0.004
oz/inch <sup>2</sup> Range	-80.00 to 80.00	-1600 to 1600
oz/inch <sup>2</sup> Resolution	0.05	1
kPa Range	-34.50 to 34.50	-690.0 to 690.0
kPa Resolution	0.02	0.4



Computer Output



Thomas No.	Accessories
1222W28	<b>Computer Data Acquisition System Software with USB cable</b> (complete description on page 67)
1222W26	<b>Universal Wireless Radio-Signal Transceivers</b> (complete description on page 67)

## Traceable® pH Buffer Standards (CRM)

### The MOST accurate pH Standards available anywhere

- 100% compatible with all makes of instruments and electrodes
- Accuracy at 25°C is  $\pm 0.010$  pH
- Select values are manufactured to IUPAC (International Union of Pure and Applied Chemistry) formulation, which features long term buffer stability and buffer resistance to temperature changes during pH meter calibration
- This certified reference material meets all test requirements for Federal, State, and local agencies
- Certified Reference Material complies with and is essential for A2LA/NVLAP accreditations and ISO 9000 certifications
- A2LA accreditation ISO 17025 (calibration laboratory) and ISO Guide 34 (certified reference material) plus ISO 9001 (quality)
- Each 16 ounce bottle or six pack single use 100 ml container is supplied with an individual temperature compensation chart, traceability information, Traceable® Certificate
- Triple-layered proprietary packaging (aluminum foil, PET and low-density polyethylene bag—prevents contamination by permeable gases and provides 2 year shelf life
- Packaging rights reserved

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is supplied from the 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. Double A2LA accredited certification provides the 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 17025 calibration laboratory. Additional accreditations include ISO 31 (certificate content), and ISO 35 (statistical analysis), plus ISO 9001 (certified quality manufacturer).



Thomas no. NIST/ISO Guide 34, ISO 17025/A2LA Certificate	Size/Quantity	pH Value
1218M88	16 fluid oz. Bottle (1 each)	4.005
1218M89		7.000
1218M90		7.416
1218M91		10.012
1218M92	100 ml One-Shot™ (6/pack)	4.005
1218M93		7.000
1218M94		7.416
1218M95		10.012

Proprietary packaging prevents contamination by permeable gases and provides 2 year shelf life







## Traceable® Conductivity Standards (CRM)

### Highest accuracy available

- Accuracy: certificate stated uncertainty, or  $\pm 0.25$  microsiemen or  $\pm 0.25\%$
- 100% compatible with all conductivity meters
- A2LA accreditation ISO Guide 34 (Certified Reference Material Producer) and ISO 17025 (Calibration Laboratory) plus ISO 9001 (Quality)
- Includes an individual temperature chart and step-by-step calibration instructions
- Units labeled (micromhos/microsiemens, ohms, parts per million/TDS)
- Sixteen ounces for frequent calibration needs

Thomas no. NIST/ISO 34, ISO 17025/A2LA Cert	Thomas no. NIST/ISO 34, ISO 17025/A2LA Cert/ Individually Tested	Micromhos/ Microsiemens	Megohms	TDS/PPM
1235D68	1235D69	1	1	0.66
1235D11	1235D44	5	0.2	3.3
1235C71	1235D39	10	0.1	6.6
1235C72	1235D40	100	0.01	66
1235C73	1235D41	1000	0.001	666
1235C99	1235D45	1413	0.00071	933
1235C74	1235D42	10,000	0.0001	6,666
1235C75	1235D43	100,000	0.00001	66,666
1222W07	1222W15	150,000	0.000006	100,000
1222W08	1222W16	200,000	0.000005	133,333

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is supplied from the 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. Double A2LA accredited certification provides the 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 17025 calibration laboratory. Additional accreditations include ISO 31 (certificate content), and ISO 35 (statistical analysis), plus ISO 9001 (certified quality manufacturer).

## Traceable® One-Shot™ Conductivity Standard (CRM)

### Calibration within container—zero contamination

- Accuracy: certificate stated uncertainty, or  $\pm 0.25$  microsiemen or  $\pm 0.25\%$
- 100% compatible with all conductivity meters
- A2LA accreditation ISO Guide 34 (Certified Reference Material Producer) and ISO 17025 (Calibration Laboratory) plus ISO 9001 (Quality)
- Includes an individual temperature chart and step-by-step calibration instructions
- Units labeled (micromhos/microsiemens, ohms, parts per million/TDS)
- Each single use standard contains 100 milliliters



Thomas no. NIST/ISO 34, ISO 17025/ A2LA Cert	Micromhos/Microsiemens	Megohms	TDS / PPM	Qty
1235D12	5	0.2	3.3	6/pk
3239M50	10	0.1	6.6	6/pk
3239M55	100	0.01	66	6/pk
3239M60	1000	0.001	666	6/pk
3239M65	1413	0.00071	933	6/pk
3239M70	10,000	0.0001	6,666	6/pk
3239M75	100,000	0.00001	66,666	6/pk
1222W17	150,000	0.000006	100,000	6/pk
1222W18	200,000	0.000005	133,333	6/pk
3239M80	Assortment (one each of the above, except Thomas no. 1235D12, 1222W17, 1222W18)			6/pk

## Traceable® Portable Conductivity Meter

### Quick answers, accurate results

- Four easily programmable custom calibration points
- Measures micromhos (microsiemens), megohms, dissolved solids, concentration, and salinity with recorder output
- Accuracy  $\pm 0.3\% + 1$  digit
- K-factor may be adjusted to match each probe
- Automatic range changes
- Automatic and manual temperature compensation
- Probe is  $5\frac{1}{4} \times \frac{1}{2}$ -inch diameter; 59-inch cable
- Size:  $3\frac{3}{4} \times 6\frac{3}{4} \times 1\frac{1}{2}$  inches, weight: 16 ounces
- Supplied: probe, cable, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

RANGES	
<b>Micromhos (microsiemens)</b>	0.01 to 20,000 0.1 to 200 0.01 to 2,000 10 to 20,000 100 to 200,000
<b>Megohms</b>	0.001 to 2,000 0.01 to 20.00
<b>Dissolved Solids/ppm</b>	0.1 to 20.0 01 to 200 10 to 2,000 100 to 20,000
<b>Salinity</b>	2.0 to 42.0 (oceanographic units)
<b>Accuracy</b>	$\pm 0.3\% + 1$ digit



Thomas No.	Description
1235C70	Traceable® Portable Conductivity Meter



## Traceable® Conductivity/TDS/Salinity Pens

### Conductivity, Total Dissolved Solid, and Salinity Pens make it easy for accurate reporting

- Waterproof pens fulfill CAP, ASTM, NCCLS, CLSI, ACS, CLIA, AOAC, EPA, APHA, AWWA, WEF, USGS, USP, and ISO
- Simply turn on and insert—dual display shows result and temperature
- HOLD key plus arrow keys for calibrating to standards
- Temperature range: 32.0 to 122.0°F (0.0 to 50.0°C)
- Temperature compensation permits readings to be automatically referenced to standard of 25°C or user may program a temperature coefficient
- Pen Size:  $1\frac{1}{4}$  inches diameter x  $6\frac{1}{2}$  inches, weight: 2¼ ounces
- Supplied: batteries, Traceable® Certificate

### Traceable to NIST for accuracy

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

Cat. No.	1227U13	1227U14	1227U15
<b>Description</b>	<b>Traceable® Conductivity Meter</b>	<b>Traceable® Conductivity Total Dissolved Solids Meter</b>	<b>Traceable® Salinity Meter</b>
<b>Conductivity Range</b>	0 to 1999 microsiemens 0 to 19.99 millisiemens	0 to 1999 microsiemens / 0 to 19.99 millisiemens	—
<b>Dissolved Solid Range</b>	—	0 to 1999 parts per million 0 to 19.99 parts per thousand	—
<b>Salinity Range (NaCl)</b>	—	—	0.00 to 1.00%; 1.01 to 7.00%
<b>Resolution</b>	1 microsiemen/0.01 millisiemen	1 microsiemen/0.01 millisiemen/1 part per million	0.01%
<b>Accuracy</b>	$\pm 1\%$ full scale + 1 digit	$\pm 1\%$ full scale + 1 digit	$\pm 2\%$ full scale + 1 digit
<b>Settable Temp. Coefficient</b>	0.0 to 4.0% per °C	0.0 to 4.0% per °C	—
<b>Automatic Temperature Compensation</b>	20° and 25°	20° and 25°	25°
<b>Use with Cal. Standards</b>	400 microsiemens to 19.99 millisiemens	400 microsiemens to 19.99 millisiemens/ 400 ppm to 19.99 ppt	0.20 to 7.00%

## Redi-Stor™ Conductivity Probe Storage Solution

### Eliminates probe contamination/cleaning

- Convenient 16-oz. bottle size
- For use with all glass and epoxy conductivity probes
- Redi-Stor™ is the ideal solution for storing conductivity probes
- It preserves probe cleanliness, eliminates growths found when storing in water only, and maintains the probe for immediate use with no conditioning.

Thomas No.	Description
1235C98	Redi-Stor™ Conductivity Probe Storage Solution

## Chemical-Resistant Check Valves

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

- Prevents damage to equipment, pumps, and flow systems by preventing backflow (may be autoclaved)
- Use with acids, bases, water, chemical processing, and alcohols
- Use for liquids, gases, pressure, and vacuum applications
- Operating ranges are 0 to 50 PSI and -40 to 126°C
- Size 1¼-inch length, unit installs in any position



Thomas. no.	Description	Qty.	Use Tubing I.D. size	Overall Size
1227T87	Chemical-Resistant Check Valve	6/pk	3.2 mm	33 mm
1227T88	Chemical-Resistant Check Valve	6/pk	4.8 mm	42 mm
1227T89	Chemical-Resistant Check Valve	6/pk	6.4 mm	42 mm
1227T90	Chemical-Resistant Check Valve	6/pk	9.5 mm	48 mm



## Electrode Holder (Third Arm)

### Weighted die-cast metal base

- Reduces electrode breakage
- Fingertip control raises, lowers, and pivots (360 degrees)
- Moves in all directions
- Holds electrodes safely and securely in any position

Thomas. no.	Description
1235C34	Electrode Holder (Third Arm)



## Spilltray™ and Drying Rack

### Chemical-resistant containment tray

- Eliminate spills
- Easel 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 unit is dishwasher safe
- Size: 16½ x 13 x 5/8 inches, weight: 1 pound

Thomas. no.	Description
1235C57	Spilltray™ and Drying Rack



## Traceable® Ultra-Low Flow Meter

### Shows the current flow and total accumulated flow

- Compact, fully contained, ready to operate, no assembly required
- Simple four-key operation (Flow/Total, Units, Zero and Power)
- Accuracy:  $\pm 2\%$  full scale with liquid temperatures of 68 to 86°F (20 to 30°C); otherwise,  $\pm 4\%$  full scale
- Use with fluid temperatures: 32 to 122°F (0 to 50°C)
- Chemically resistant nylon  $\frac{1}{16}$ " barbed inlet/outlet connectors are compatible with all types of tubing
- Size: 6.63 x 4.75 x 4.5 inches, weight: 1 pound
- Supplied: wall power adaptor, battery connector, chemical-resistant ABS plastic case, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1222V99	Traceable® Ultra-Low Flow Meter



Measure flow rates of fluids in seven user selectable units of measurement:

UNIT	RANGE
milliliters/minute	4 to 25.00
liters/minute	0.004 to 0.0250
cubic centimeters/minute	4.00 to 25.00
fluid ounces/minute	0.135 to 0.84
gallons/minute	0.001050 to 0.00660
fluid imperial ounces/minute	0.140 to 0.88
imperial gallons/minute	0.00088 to 0.00549

## Variable-Speed Peristaltic Pumps

### Compact peristaltic pumps for use with liquids and gases

- Bi-directional, self-priming, peristaltic pumps offer precise flow
- Ideal for use with conductivity flow-thru cells, liquid chromatography, collecting fractions, pH/circulating fluids or buffers in baths, and moving corrosive materials
- Fluid contacts only the 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
- Size: 6.63 x 4.75 x 4.5 inches, weight: 1.25 pounds
- 115 VAC CSA-approved wall power supply ensures that a safe 12 volts drive the pump motor
- Uses tubing with ID 0.02 to 0.25 inches
- Supplied: silicone tubing, polypropylene fittings/nipples, 115 VAC wall power supply, accessory battery connector (battery not supplied)

Thomas No.	Description
7892K05	Variable-Speed Peristaltic Tubing Pump—Ultra-Low Flow 0.005 to 0.900 ml/minute
7892K07	Variable-Speed Peristaltic Tubing Pump—Low Flow 0.03 to 8.20 ml/minute
7892K09	Variable-Speed Peristaltic Tubing Pump—Medium Flow 0.4 to 85.0 ml/minute
1235C53	Variable-Speed Peristaltic Tubing Pump—Medium/High Flow 4.0 to 600 ml/minute



## Variable-Flow Chemical Transfer Pump

### Precise, seamless speed control with all-day performance

- Pumps from 4.25 ounces to 0.625 gallon (120 to 2,250 ml) per min
- Pumps fluids with a viscosity to 200 centipoises
- Suction lift is 10 feet wet, 4 inches dry
- May be used with fluid temperatures from -40 to 200°F (-40 to 93°C)
- Barbed inlet/outlet ports use any type of tubing with an inside dia (0.19 inches)
- Chemical-resistant, wetted parts are Dupont Delrin®, 304 stainless-steel, Viton, and Dupont Teflon®
- Pump has a purge/prime switch for high-speed emptying/filling, reverses for ease in draining tubing
- May be used with up to 120 feet of tubing for remote sampling
- Size: 8 x 4.75 x 4.5 inches, weight: 3.88 pounds
- Supplied: 115 VAC UL-rated wall power supply

Thomas No.	Description
7886M14	Variable-Flow Chemical Transfer Pump



## Traceable® Moisture Meter

Moisture meter displays material, wood, wood product, and paper moisture content

- Measuring range: 9.0 to 30.0% moisture
- Resolution: 0.1%
- Accuracy:  $\pm(4\%$  of the reading plus 5 digits)
- Recalls highest and lowest readings
- Establishes reference moisture readings
- Meter's memory contains nine material groups and calibrations
- For all other products, user establishes reference moisture readings
- Computer output
- Size: 7 x 3 x 1¼ inches, weight: 9½ ounces

### Traceable to NIST for accuracy

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

Thomas No.	Description
6794L36	Traceable® Moisture Meter



## Traceable® Dual-Range Light Meter

Cable allows placing the sensor anywhere

- Ranges in lux are 0 to 1999 (1 lux resolution), 2000 to 19,990 (10 lux resolution), and 20,000 to 50,000 (100 lux resolution)
- Range in foot-candles is 0 to 199.9 (0.1 Fc resolution), 200 to 1999 (1 Fc resolution), 2000 to 5000 (10 Fc resolution)
- Accuracy:  $\pm(5\%$  plus 2 digits)
- Unit recalls highest, lowest, and average readings, color-correction filter
- Analog output for strip and chart recorders (0.1 millivolts per digit)
- Size: 6½ x 3 x 1½ inches, weight: 10 ounces, cable length is 40 inches

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Thomas No.	Description
1235C43	Traceable® Dual-Range Light Meter
8331A22	Easy-Use Accessory Adaptor 115 VAC



## Traceable® Light Meter Pen

Hand-held light meter designed for fast, simple readings

- Dual ranges 0 to 1,860 foot-candles (Resolution 0.1) 0 to 20,000 Lux (Resolution of 1)
- Accuracy:  $\pm 5\%$  of reading plus 5
- Simple operation eliminates the need to refer to instructions
- Tough ABS plastic housing with o-ring seal and membrane keypad keeps out dust and dirt
- HOLD key freezes the reading on the display
- Size: 1½ diameter x 8 inches, weight: 5 ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Thomas No.	Description
1227T86	Traceable® Light Meter Pen



## Traceable® Tachometer with Red LED Pointer

### Great for hard-to-reach readings

- Tachometers reading range: from 10 to 99,999 revolutions per minute
- Resolution: 0.001, 0.01, 0.1, or 1 depending on the revolutions displayed
- Accuracy: 0.04%  $\pm$  2 digits
- Simple, touchless operation provide accurate readings
- Size: 4¾ x 1¾ x 1¼ inches, weight: 4 ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).



Thomas No.	Description
1235D10	Traceable® Tachometer with Red LED Pointer



## Traceable® Touch Tachometer

### Lightweight and portable

- Tachometer reading range: from 10.000 to 99,999 (resolution 0.001, 0.01, 0.1, 1). In addition, it reports results in feet per minute 3.0000 to 30,000, yards per minute 1.000 to 10,000, and meters per minute 1.000 to 9999.9 (resolution for all three is 0.0001, 0.001, 0.01, 0.1 depending on the revolutions displayed)
- Accuracy: 0.04%  $\pm$  2 digits
- Simple operation provides accurate readings
- Size: 4¾ x 1¾ x 1¼ inches, weight: 4 ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Thomas No.	Description
1235D09	Traceable® Touch Tachometer

## Traceable® Sound Level Meter

### Three precise ranges

- Sound meter reads three-decibel ranges for greater precision: low (30.0 to 80.0 dB), medium (50.0 to 100.0 dB), and high (80.0 to 130.0 dB)
- Recorder jack for capturing data (AC and DC 10 mV/dB)
- Resolution: 0.1 dB
- Accuracy:  $\pm$  2 dB
- Size 10 x 3 x 1 inches, weight: 9½ ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Thomas No.	Description
8331A20	Traceable® Sound Level Meter





## Traceable® Digital Auto-Range Multimeter

### Two pairs of test cables supplied

- Unit ranges are 1 millivolt to 400 volts AC/DC and 0.1 to 2,000,000 ohms
- Accuracy: 2 units, or 2% of the reading
- Audible continuity testing, indicates negative polarity with a minus sign
- Perfect unit to test batteries, fuses, recorder outputs, cables, wall plugs, probes, printed circuit boards, and complex electronic instrumentation
- Automatically selects the proper range
- Size: 2½ x 4¼ x ½ inches, weight: 3 ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is supplied to indicate traceability to standards provided by NIST (National Institute of Standards and Technology).



Thomas No.	Description
1235C42	Traceable® Digital Auto-Range Multimeter



## Traceable® Battery Tester

### Battery tester checks alkaline, carbon, silver-oxide, mercury, nickel-cadmium, and more

- Voltage range: 1.35 to 12 volts on 13 ranges
- Accuracy: ±5%
- Simple color-coded scale, self-powered, gold-plated circuit board and silver-plated switches
- Two test leads (27½-inch-long cables)
- Size 3½ x 2½ x 1-inch, weight: 3 ounces

### Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is supplied to indicate traceability to standards provided by NIST (National Institute of Standards and Technology).

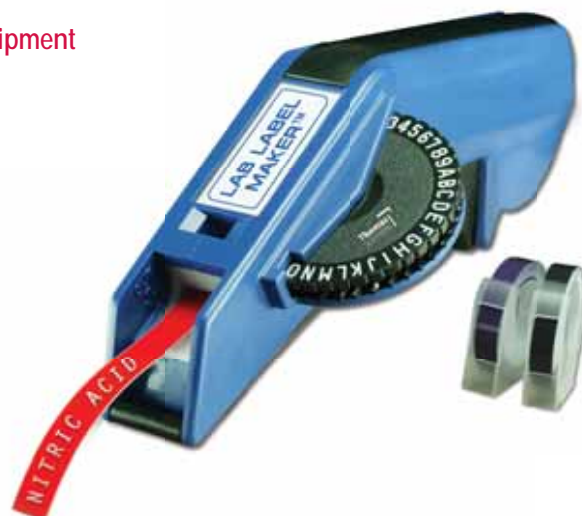
Thomas No.	Description
1483E50	Traceable® Battery Tester

## Lab Label Maker™

### Quickly and easily make labels for chemicals, bottles, shelves, and 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
- Easy operation: dial a letter, squeeze handle, press lever to cut tape
- Tape cartridges available in black, red, blue, or green
- Supplied: roll of blue tape, roll of red tape

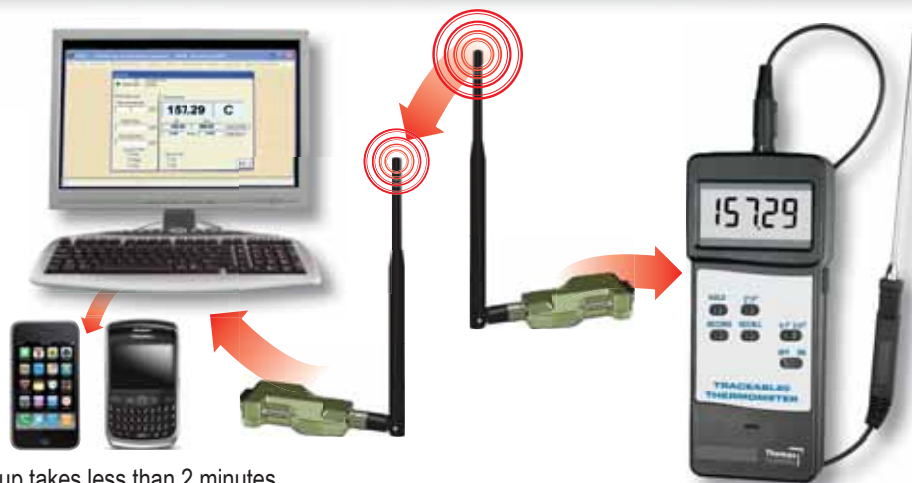
Thomas No.	Description	Tape Color/Size	Quantity
1227T81	Lab Label Maker™	supplied Red and Blue	2 rolls
1227T82	Lab Label Tape™	Black/0.375 x 118 inches	4 roll/pk
1227T83	Lab Label Tape™	Red/0.375 x 118 inches	4 roll/pk
1227T84	Lab Label Tape™	Blue/0.375 x 118 inches	4 roll/pk
1227T85	Lab Label Tape™	Green/0.375 x 118 inches	4 roll/pk



## Universal Wireless Radio-Signal Transceivers

### Monitor all units from your computer

- Send readings from Traceable® thermometers, hygrometers, conductivity meters, anemometers, manometers, light meters, and over 26 instruments directly to your computer and automatically via e-mail to your cell phone
- Supplied with serial and USB connections for the meter and for the computer
- Windows® 98/Me/NT/2000/XP/Vista/Windows 7
- Plug-and-play units are pre-configured for out-of-the-box use; no software drivers are used—setup takes less than 2 minutes
- Supplied: power supply, antennas, serial and USB connections



Thomas No.	Description
1222W26	Universal Wireless Radio-Signal Transceivers
1222W25	150' USB Extension Cable
1222W27	50' Serial Extension Cable

## Computer Data Acquisition System w/USB Cable

### Software provides 24/7 real-time updates from lab computer to mobile device

- Captures readings permanently
- Records in intervals from 1 to 10,000 seconds
- Easy to use computer data capture program works with series of Traceable to NIST instruments
- 24/7 audible/visual notification via PC, remote computers, e-mail, and cell phone
- Instrument connection and software installs in less than 5 minutes
- Unlimited readings are saved to a file that can be read, printed, or exported
- Networking server/client capability allows captured data to be monitored on a remote workstation and/or by e-mail
- Windows® 98/Me/NT/2000/XP/Vista/Windows 7
- Includes a CD and 6-foot cable for USB or serial connections
- 150 foot length extension cable plugs into instrument and computer



## Data Logger

### Accessory Data Logger

- 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
- Stored readings may be downloaded to any PC and viewed
- Can be read as-is or imported to spreadsheets, databases, and statistical programs
- Supplied: Windows CD, 3-foot cable, USB, serial, and instrument connections, 4 batteries
- Cable plugs into instrument and computer
- Size: 5 x 3 x 1 inches, weight: 7 ounces

Thomas No.	Description
6794L42	Data Logger

## Use the above software with these Thomas Traceable Meters

### Computer Data Acquisition System w/USB Cable

Thomas No.	Page No.	Product Description	Software Thomas No.
9337U17	36	Traceable® Digital Thermometer	9337U38
1227T94	58	Traceable® Manometer Pressure/Vacuum Gauge	1222W28
1235C87	39	Traceable® RTD Platinum Thermometer	6794L40
1235C90	47	Traceable® Double Thermometer	6794L40

Thomas No.	Description
9337U38	Computer Data Acquisition System
1222W28	Computer Data Acquisition System
6794L40	Computer Data Acquisition System

## Counter Pen™

The ideal cell growth colony counter

- Easy-to-read LCD counts to 99,999
- Combination marker and counter, each time pen makes a mark a count is added
- Durable ABS plastic construction
- Size: 6 x 2/3 inches, weight: 1 ounce
- Supplied: battery, pen cap



Thomas No.	Description
1230N19	Counter Pen™

## Key-Chain Micro-Laser Pointer

Laser is perfect for slide presentations, wall charts, and lectures

- Laser range of 300 feet
- Compact design, supplied with key-chain
- Brilliant red light at the highly visible 650 nm wavelength with a beam diameter of 3.5 mm
- Size: 9/16-inch diameter x 2 3/8 inches, weight: less than one ounce



Thomas No.	Description
7325T10	Key-Chain Micro-Laser Pointer

## Digital Counter with Key-Chain/Wrist Strap

Easy to use

- Counts to 99,999 units
- Recessed reset key
- ABS plastic construction with water-resistant seal
- Size: 1 7/8 inches by 1/2 inches, weight: less than 1 ounce
- Supplied: metal clip, lanyard, battery



Thomas No.	Description
1230N18	Digital Counter with Key-Chain/Wrist Strap

## Digital Counter

Water-resistant digital counter

- Counter reads to 99,999
- Water-resistant, O-ring-sealed and shock-resistant ABS plastic case
- Tactile click keys
- Size: 2 5/8 x 1 1/3 x 5/8 inches, weight: 1 ounce



Thomas No.	Description
1235C38	Digital Counter

## Hand Tally Counter

Gives total count

- Quick manual counting 0 to 9999
- Loop for lanyard
- Corrosion-proof stainless-steel for long-life
- Single-hand use



Thomas No.	Description
1235C37	Hand Tally Counter

## Certified Cheesecloth Wipes

100% pure cotton of reagent-grade quality and purity

- Wipes meet all lab requirements for cleanliness, softness, absorbency, and strength
- Pure wipes absorb 6 times their weight of solvents and aqueous solutions

Thomas No.	Description
2904A20	<b>Certified Cheesecloth Wipes</b> Brilliant white, 9-inch-square pad (8-ply) opens to 18 x 36 inch, 60/dispenser box (left)
1235C29	<b>Certified Cheesecloth Mini-Wipes</b> Brilliant white, 4-inch-square pad (8-ply) opens to 7 x 14 inches, 200/box (right)





## Ultra-Clean™ Supremum Aluminum Foil

Pure aluminum foil is manufactured specifically for the lab with added strength and puncture resistance

- High purity aluminum foil
- Metal tear-off bar
- Unique box flaps prevent roll from leaving box
- 100% recyclable

Thomas No.	Type	Dimensions	Thickness	Quantity
1222W00	roll	12 inch x 25 feet	regular	12 case
1222W01	roll	12 inch x 75 feet	regular	12 case
1222W02	roll	12 inch x 200 feet	regular	12 case
1222W03	roll	18 inch x 25 feet	heavy-duty	12 case
1222W04	roll	18 inch x 50 feet	heavy-duty	12 case
1222W05	roll	18 inch x 25 feet	extra heavy-duty	12 case
1222W06	pop-ups	9 x 10¼ inch (200 sheets)	regular	12/case



## Clean Wipes™

Wipes are 6 x 9 inches

- Lint-free, strong, nonwoven soft cloths will not scratch surfaces
- Individually dispensed, reclosable container
- Snap-on sealed top eliminates contamination, dust, and dirt
- 100 per polyethylene canister

Thomas No.	Description
2903J78	<b>Premoistened Alcohol/DI Clean-Wipes™</b> 70% reagent-grade isopropyl alcohol and 30% reagent-grade deionized water
2903J75	<b>Premoistened DI Clean-Wipes™</b> 100% pure reagent-grade deionized water
2903J81	<b>Dry Clean-Wipes™</b> User adds any solution

## Clear Plastic Lab Wrap

100% polyethylene

- Low tangle, high cling, ultra-clean film designed for the lab
- Metal tear-off bar for ease in achieving the exact size needed
- Unique flaps prevent roll from leaving the box
- Size: 12 inches wide by 100 feet long

Thomas No.	Description
1235C58	Clear Plastic Lab Wrap

## Optic™ Glass Wipes

Made of lint-free microfiber cloth

- Clean eye glasses—removes oil, grease, and lint
- Strong nonwoven cloth is soft and lint-free
- Individually dispensed, 6 x 9-inch wipes are handy and ready for instant use
- 100 per polyethylene canister



Thomas No.	Description
1235C30	Optik-Wipes™



## Antistatic Static-Away™ Brushes

**Eliminates the possibility damaging static**

- Washable, natural hair and synthetic conductive fibers simply remove static as it cleans
- Won't scratch critical surfaces
- Ideal for cleaning film, slides, optics, cuvettes, microscopes, electronics, monitors
- Brushes allow access to difficult places and eliminate touching critical equipment
- Weight: ½ ounce

Thomas No.	Description	Brush width	Handle length
1227T91	Antistatic Static-Away™ Handle Brush	1 inch	5 inch
1227T92	Antistatic Static-Away™ Handle Brush	2 inch	5 inch
1227T93	Antistatic Static-Away™ Handle Brush	3 inch	6 inch

## Micro Spatulas

**Small yet mighty**

- Four sizes: 0.1, 0.3, 0.5, 1.0 mm (0.004 to 0.04 inches)
- Flat-ended, stainless-steel blades
- Overall length is 2½-inch (6 cm)



Thomas No.	Description
8333R13	Micro Spatulas (4/pk)



## Knife Set

**Strong carbon steel blades**

- Heavy-duty cutting edges
- Fine cutting performance all work
- Eight handles, and over 47 blades, wet/dry sharpening stone, and sturdy plastic case

Thomas No.	Description
6235H10	Knife Set



## 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, 3 x 5-inch card fits normal cabinets
- Each slide holder card accepts four slides 3 x 1-inch size of any thickness
- Steel cabinet stores 100 slide holders, a total of 400 slides
- Dimensions: 5½ x 6½ x 16¼ inches

Thomas No.	Description
1235C23	Slide Holders, 12-pack
1235C24	Slide Holder Cabinet, 1 Drawer



## Micro Probes

### Tips hand-honed to needle sharpness

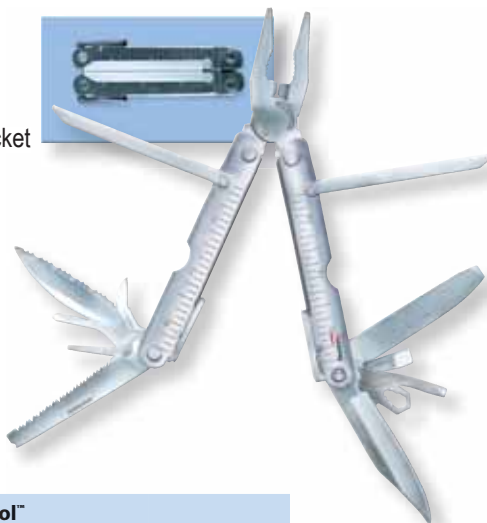
- Six scientific shapes
- For manipulation of micro work, inspecting, microscopes, gluing
- Stainless-steel instruments
- Handles are nonslip and ergonomically designed

Thomas No.	Description
1235C47	Micro Probes

## Original Labtool™

### Folds closed to prevent injury when not in use

- All-in-one stainless-steel tool
- Compact and fits into your pocket
- Includes 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



Thomas No.	Description
1235C48	Original Labtool™

## Adjustable Spray Wash Bottle, 1000ml

### Convenient double headed design

- Adjustable sprayer
- One-hand operation
- Instant-off trigger release eliminates messy drips
- Chemical-resistant and virtually unbreakable bottle is made of high-density polyethylene (HDPE)
- Wash bottle may be gas or chemically sterilized
- Sprayer closed position maintains solution purity by eliminating overnight evaporation/contamination
- Double-headed feature eliminates removing a dripping pump and allows refilling in seconds through a separate opening



Thomas No.	Description
1758G46	Adjustable Spray Wash Bottle, 1000ml

## Mini-Labtool™

### Tool chest on a key-chain

- Supplied: 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
- Supplied: key-chain, belt loop case



Thomas No.	Description
1230N21	Mini-Labtool™



## Labtool II™

### Fourteen tools for hundreds uses

- Supplied: 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
- Supplied: key-chain, carrying case

Thomas No.	Description
1230N20	Labtool II™

## Adjustable Spray Wash Bottle, 240ml

### Zero contamination, no-effort pumping

- Chemical resistant
- Unbreakable bottles in packs of 3
- Sprayer made of polypropylene (PP)
- Squat shape takes up little bench space



Thomas No.	Description
1758G43	Adjustable Spray Wash Bottle



## Flexible-Arm™ Light

C-clamp and weighted  
base supplied

- Fingertip control
- Natural daylight
- 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
- Moves 360 degrees in three dimensions
- Arm articulates at three points



Thomas No.	Description
1235C35	<b>Flexible-Arm™ Light</b> extended arm length 20"
1235C36	<b>Flexible-Arm™ Light</b> extended arm length 31"

## Spray-Anywhere™ Adjustable Sprayer

Polypropylene  
sprayer changes  
any bottle into a  
wash bottle

- Big-stream, fine-mist, or needle sprayer
- Entire unit may be gas or chemically sterilized
- Dishwasher-safe
- Hose length: 26 inches, bung diameter is 1.52 inches



Thomas No.	Description
1235C51	<b>Spray-Anywhere™ Adjustable Sprayer</b>

## Magnifier Lamp (2x)

Sliding shutter cover provides lens  
protection when not in use

- Clamps vertically or horizontally
- Control knobs permit locking in place
- Designed for lab/plant applications
- Brilliant light beam closely resembles daylight for optimal color detection and clarity



Thomas No.	Description
6385M33	<b>Magnifier Lamp (2x)</b>

## Illuminated Microscope

Battery supplied

- Pocket size
- Supplied with a snap-on microscope slide holder
- An indispensable tool
- Large viewing area, is easy on the eyes
- Size: 5½ x 1½ x ¾ inches, weight: 3 ounces



Thomas No.	Description
1235C52	<b>Illuminated Microscope Zoom (60X to 100X)</b>

## Liquid Alarm

Inexpensive guard for your valuable  
experiments and samples

- Alarm sounds when spills and overflows occur
- Loud high-decibel alarm sounds
- Red LED light flashes
- Supplied: sensor, 10-foot cable, suction cup, battery



Thomas No.	Description
7892V98	<b>Liquid Alarm</b>



## Glassware Rescuer™

Half-round shape for filing sharp and jagged edges

- File down chipped edges
- Non-skid handle
- Great tool for the lab
- Size: ¼-inch dia x 8 inches

Thomas No.	Description
5680D65	Glassware Rescuer™



## Hose/Tubing Clamp Assortment Kit

For use with all types of rubber and plastic tubing

- 13 different sizes, total of 65 pieces
- Made of chemical/corrosion-resistant, non-conducting nylon
- One-piece, reusable clamp squeezes shut for a leak proof seal
- May be chemically or gas-sterilized
- Temperature range: 32 to 194°F (0 to 90°C)
- Diameters range from 0.246 to 1.610 inches

Thomas No.	Description
1235C45	Hose/Tubing Clamp Assortment Kit

## Tight-Ties™ Assortment Kit

Non-conductive nylon material

- Works with all types of plastic and rubber tubing
- Tensile strength is 12 to 50 lbs
- Temperature range: -40 to 185°F (-40 to 85°C)
- Diameters from ⅛ to 4 inches



Thomas No.	Description
1235C46	Tight-Ties™ Assortment Kit

## Mini-Dolly Folding Cart

Made from high-impact ABS plastic with chrome plated steel

- Cart folds to a compact size
- Easy to store
- Large non-skid platform (19 x 13 inches) holds materials firmly
- Weight: only 9 pounds, but handles loads up to 265 pounds
- Super-glide wheels swivel for complete maneuverability



Thomas No.	Description
1235C31	Mini-Dolly Folding Cart

## Aluminum Fold-Up Cart

Adjustable height

- Made of aluminum alloy
- Holds 330 pounds
- Handle adjusts to 27 or 33 inches
- Size of extendable platform is from 18 to 25½ inches width is 16 inches, weight: 18 lbs
- Supplied: rubber bumpers, bungee cords keep items from slipping



Thomas No.	Description
1235C32	Aluminum Fold-Up Cart

## Aluminum Fold-Up HandTruck

Holds up to 220lbs

- Made of aluminum alloy
- Lightweight
- Folds to a compact size for easy storage
- Move heavy loads easily
- Weight: 15 pounds



Thomas No.	Description
1235C33	Aluminum Fold-Up HandTruck



## Traceable® Digital Calipers

### Ideal for measuring inside and outside diameter

- Designed for the lab; measures in inches and millimeters
- Measures rubber stoppers, vials, caps, tubing, corks
- Instant, accurate readings
- Carbon fiber is nonconductive
- Supplied: carrying case, battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

Caliper Specifications Chart

Thomas No.	1235C55	1235C56	1235D64	1235D65
<b>Material</b>	Stainless-Steel		Carbon Fiber	
<b>Measuring Range</b>	6 inch / 150 mm	8 inch / 200 mm	4 inch / 100 mm	6 inch / 150 mm
<b>Resolution</b>	0.0005 inch/0.01 mm		0.01 inch / 0.1 mm	
<b>Accuracy</b>	±0.001 inch or ±0.03 mm		±0.01 inch / ±0.2 mm	
<b>Depth Bar</b>	Yes	Yes	No	No
<b>Thumb roller/ Lock screw</b>	Yes	Yes	No	No
<b>Non-metallic/ non-conductive</b>	No	No	Yes	Yes
<b>Traceable® Certificate</b>	Yes	Yes	Yes	Yes
<b>Dimensions</b>	9 x 3 inches	11 x 3 inches	7 x 2½ inches	9½ x 3 inches



## Traceable® SpatulaBalance™

### Unique spatula both scoops material and displays weight

- Weighing range: 0 to 300.0 grams and 0 to 10.580 ounces
- Readability is 0.1 gram and 0.005 ounce, accuracy: ±0.2 g or ±0.25%
- Three position keys: tares (sets to zero), holds (freezes the display), and changes g to oz.
- Markings on see-through scoop are graduated from 5 to 30 milliliters in 5 milliliter increments for weighing liquids with ease
- Scoop detaches from balance for dishwasher-safe cleaning
- Scoop holds 32 milliliters/1.1 fluid ounces
- Scoop volume: 32 cubic centimeters/1.95 cubic inches
- Size: 9 x 2 x 1 inches, weight: 3 ounces
- Supplied: battery, Traceable® Certificate

### Traceable to NIST for accuracy

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

Thomas No.	Description
1230N22	Traceable® SpatulaBalance™





## Metric Converter

### One-half inch high LCD

- Delivers faster than any website—no internet
- Raised, over-sized keys
- Performs all routine calculator functions
- Change lab measurements to U.S. or metric in an instant
- Automatic flip-open LCD cover that converts to a bench top stand
- Rubberized side grips for easy handling
- Size: 3 x 3 $\frac{3}{4}$  x  $\frac{1}{2}$ -inch, weight: 2 ounces

## Compact-Size Metric Converter

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

- Delivers faster than any website—no internet connection needed
- Self-protected case
- 126 types of metric conversions
- Solar-operated with battery backup
- Size: 4 $\frac{1}{4}$  x  $\frac{1}{2}$  x 2 $\frac{1}{2}$  inches, weight: 1 ounce



Thomas No.	Description
2205B11	Metric Converter

Thomas No.	Description
1235C22	Compact-Size Metric Converter

## Scientific Calculator

### Performs over 50 scientific functions

- Three-key memory, roots, logs, trigs, hex
- Statistical features include standard deviation, mean, sum of squares, sum of data and more
- 10-digit numerical, 2-digit exponent display
- Size: 5 x 3 x  $\frac{1}{2}$  inches, weight: 1 $\frac{1}{2}$  ounces



## Big-Digit Solar-Powered Calculator

### Conversion reference table included in case

- Solar powered
- Over-sized keys
- Memory and percent keys
- Size: 4 $\frac{1}{4}$  x 2 $\frac{3}{8}$  x  $\frac{1}{4}$  inches, weight: 2 ounces



Thomas No.	Description
1235D58	Scientific Calculator

Thomas No.	Description
1235D57	Big Digit Solar-Powered Calculator

## Solar Desktop Calculator

### Large digits

- 8- or 12-digit display
- Oversized keys
- Tough ABS plastic
- Feet protect unit from spills
- Size: 4 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x  $\frac{3}{16}$  inches, weight: 4 ounces

Thomas No.	Description
1235D59	Solar Desktop Calculator (8-digits)
1235D60	Solar Desktop Calculator (12-digits)

The 12-digit unit permits calculating numbers as large as 999,999,999,999 and as small as .000000000001 without confusing scientific power notations or symbols.



## Traceable® Products

All Traceable® products are provided with a Traceable® Calibration Certificate from an ISO 17025 calibration laboratory. All certificates are accredited by the American Association for Laboratory Accreditation (A2LA).

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/NCCL Z540-1.

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 A2LA Accreditation, Traceable® Certificates are internationally recognized by accreditation agencies and governments in over 75 countries throughout the world.

A Traceable® Certificate includes all of the information to meet today's stringent accreditation demands, CLIA requirements, government specifications, and ISO 9000 certifications.

### ISO 9001 Quality Certified

The quality certification provides users with the assurance that they receive only the 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 the highest quality. In addition, ISO 9001, in contrast to other ISO 9000 certifications, requires that the design phase of every product be included in the quality requirements. The 9001 certification provides that quality is designed into every product beginning with the first drawing.

ISO 9001 certified by DNV (Det Norske Veritas).

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

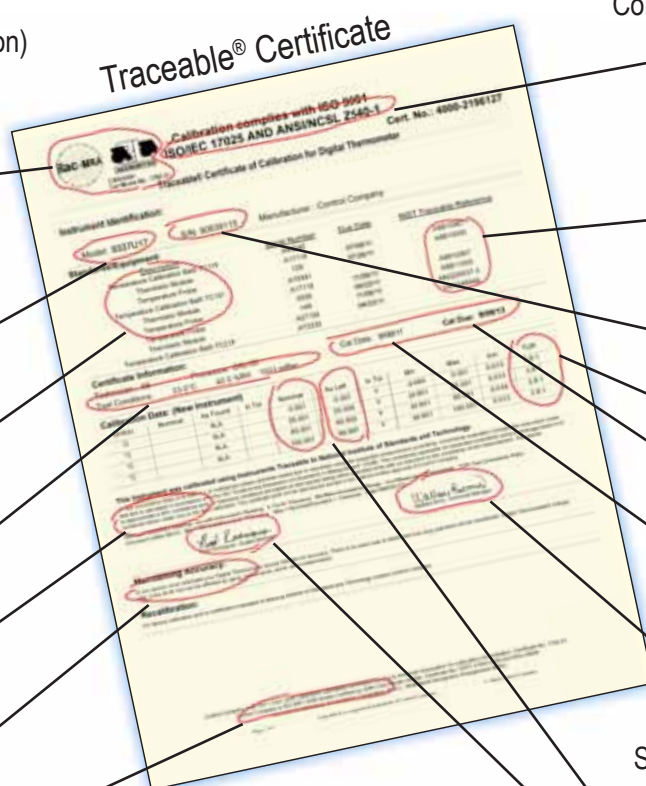
Calls out the **test equipment** used for calibration

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 an **ISO 9001** quality facility certified by DNV



Conforms to universally recognized **ISO 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**