Focus on
TRACEABLE™
Products

Keeping your research on track

Fisher Scientific

Fisher Scientific's trusted, well established and proprietary product range, Fisherbrand is committed to providing quality products at affordable prices. Fisherbrand offers a broad selection of laboratory supplies and consumables covering a diverse range of applications such as chromatography, liquid handling, electrophoresis, pH and electrochemistry. It's the smart way to achieve cost savings over branded products without having to compromise on quality.

This application brochure is dedicated to providing you with a comprehensive overview of our Fisherbrand Traceable™ clocks, timers, stopwatches and thermometers as well as highlighting supplementary products from the wider Fisherbrand family. Featuring a range of instruments, consumables, Fisher Chemical and Fisher Bioreagents, as well as useful product resources such as selection guides and FAQ's, it is a great lab companion.

Watch our 'Focus on Traceable™ Products' video by visiting www.eu.fishersci.com/go/FBvideos

Watch our 'Meet the Family' video by visiting www.eu.fishersci.com/go/FBvideos

Frequently asked questions (FAQ's)

This brochure features some of the most frequently asked questions about our Traceable™ range and time measurement as received by our Technical Support Specialists, together with the answers they provided. However, if you are unable to find the answer to your question, are stuck and need help or are simply confused and unsure of which product best suits your research needs, the Product Support Team are here and ready to respond to your enquiries.

Have a question?

Confused?

Stuck, need help?

Contact our Product Support Advisors

Tel: 01509 555 888
Email: fisheruk.productsupport@thermofisher.com

Tel: 01 885 5854
Email: fsie.sales@thermofisher.com

In addition to the extensive Fisherbrand range, Fisher Scientific is your partner of choice for chemicals and bioreagents. Fisher Chemical and Fisher Bioreagents deliver convenience, quality and consistency and are the leading provider of chemicals and bioreagents to many research sectors, such as academia, pharmaceuticals, biotechnology and healthcare.

- Fisher Chemical offers more than 4,000 chemicals of the highest quality, including 'dry' reagents, ready made solutions and high purity solvents. All chemicals are ISO 9001:2008 certified and undergo rigorous quality assurance and testing procedures, ensuring excellent lot-to-lot and bottle-to-bottle consistency. Supported by a clear and simple grade and application structure, choosing the product that best suits your requirements is easy.

- Fisher Bioreagents offers over 1,000 products dedicated to molecular biology research, biochemistry and cellular biology. It is your single source for high purity products

Fisherbrand®

Fisher Chemical

F *Fisher BioReagents®*

Together Fisherbrand, Fisher Chemical and Fisher Bioreagents offer reliable and essential laboratory products, helping you to produce your best work each and every day.

**New products are constantly being introduced into the Fisherbrand family
For the full range visit www.eu.fishersci.com/fisherbrand**

Laboratory Reagents Handbook

For a fuller range of Fisher Chemical and Fisher Bioreagents, please refer to our Laboratory Reagents handbook. This handbook features...
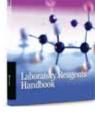
For the analytical chemist:
- Over 4400 Fisher Chemical products dedicated to many analytical applications, including Optima LC/MS grade solvents and high purity acids for trace elemental analysis
  - Colour coded applications
  - Physical & chemical data
  - Hazard, packaging and storage information
  - Detailed specifications

Fisher Chemical

For the life scientist:
- A dedicated section relating to four key application areas
  - Protein chemistry
  - Molecular biology
  - Cell biology
  - Core bioreagents

F *Fisher BioReagents®*

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Contents

INTRODUCTION TO TRACEABLE™ PRODUCTS

Fisherbrand Traceable™ products include timers, stopwatches, clocks, data-logging thermometers, bench thermometers, differential thermometers, printing thermometers, humidity meters, monitoring/alarm humidity meters, barometers, conductivity meters, conductivity standards, one-shot conductivity standards, as well as a range of everyday measurement lab tools.

All of these Traceable™ products are provided with a Traceable™ Calibration Certificate from an ISO 17025 calibration laboratory (refer to 'Sample Traceable™ Certificate' on the opposite page). Thermometer, timer, and humidity certificates are accredited by the American Association for Laboratory Accreditation (A2LA). The ISO 17025 calibration certificate, that comes as standard with the units, is recognised in all European countries.

The supplied Traceable™ Certificate indicates that the product is traceable to standards provided by the National Institute of Standards and Technology (NIST), a U.S. Government agency within the Commerce Department. The Traceable™ Certificate complies with ANSI/NCSL Z540-1.
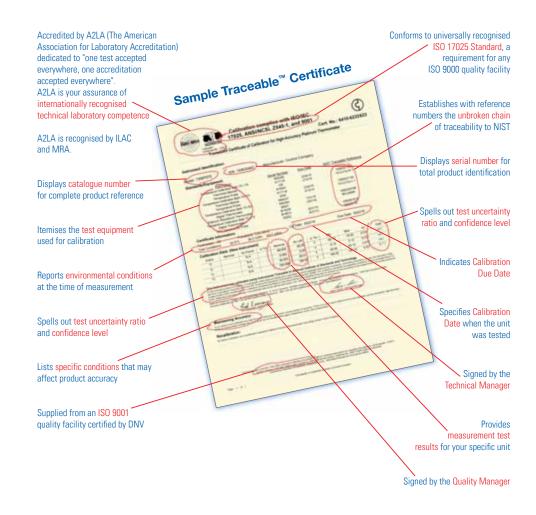
The Traceable™ Certificate includes all of the information to meet today's stringent accreditation demands, government specifications, and ISO 9000 requirements. This information includes serial number, certificate number, model number, calibration test equipment, equipment serial number, equipment calibration due date, NIST test number, unit accuracy, uncertainty, unit test conditions, test points, individual unit's specific test date, unit's next calibration due date, tester's name, and signature of the metrology manager.

Each Traceable™ product is individually serialised, calibrated and certified. An individually serialised Traceable™ Calibration Certificate provides you with the assurance that an independent auditor has checked the methods, procedures, testing, technique, and record-keeping practices of the calibration testing laboratory. The American Association for Laboratory Accreditation (A2LA) is widely recognised internationally through bilateral and multilateral agreements and through its participation in International Laboratory Accreditation (ILAC) and Multilateral Recognition Agreement (MRA). Through A2LA Accreditation, Traceable™ Certificates are internationally recognised by Accreditation Agencies and Services in over 75 countries throughout Europe, the Middle East, North America, South America, Asia, and Africa. There is no need to have the units calibrated locally before use as all European governing bodies fully accept and recognise the Traceable™ Certificate of Calibration.

Finally, all products are produced under ISO 9001, certified by DNV (Det Norske Veritas), and supplied by an ISO 9001 Quality Certified Company. This quality certification provides you with the assurance that you will receive only the finest and most reliable products. ISO 9001 Certification is a worldwide recognition of the highest possible quality for innovative electronic products and ensures that every item is checked and rechecked for superb laboratory performance time after time.

This section provides an overview of the comprehensive range of Fisherbrand Traceable™ products (pages 8 to 40). As already described these products are manufactured to the highest standards and undergo rigorous quality assurance and testing procedures to ensure that they deliver on our promise of quality, reliability and value. Additional complementary products from the Fisher Scientific Family are featured within separate sections, 'Fisher Chemical' (pages 43 to 45) and 'Fisherbrand Supplement' (pages 46 to 73). Whilst these products are not part of the Traceable™ range, they continue to demonstrate that Fisher Scientific is continually going that extra mile to deliver you essential products for your everyday laboratory needs.

A Traceable™ Certificate assures complete testing and accreditation of your chosen product

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 recognised technical laboratory competence

A2LA is recognised by ILAC and MRA.

Displays catalogue number for complete product reference

Itemises 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 recognised 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

Sample Traceable™ Certificate

TRACEABLE™ TIMERS, STOPWATCHES AND CLOCKS

Timers and stopwatches are essential instruments for the accurate measurement of time interval in many laboratory procedures, a time interval being defined as the time elapsed between two events. The standard unit of time is the second (s), although many procedures require measurement over longer periods such as minutes, hours or even days, or conversely in fractions of a second such as milliseconds (ms) or microseconds (μs). The second is one of the seven base units in the International System of Units (SI), the metric scheme that is the world's most widely used system of measurement. Other SI base units include Kelvin (temperature), meter (length), kilogram (mass), candela (luminous intensity), mole (amount of substance) and ampere (electric current).

Traceable™ Timers

The comprehensive selection of Fisherbrand Traceable timers have been designed to meet the broad range of requirements for accurate and reliable time measurement in the laboratory. No test is too long or too short for our Traceable™ Timers as they can accurately count down from up to 100 hours with accuracies down to an incredible value of 0.001%. Many accessories included as standard make them perfect for the researcher 'on the go' and with the option of having your Traceable™ Timer alarm producing attention-grabbing sounds of up to 100 decibels or else set to 'silent' mode but with bright LED indicators you will never miss another alarm again.

Fisher Scientific's top selling Traceable™ Timers include:
- The Four-Channel Alarm Timer (Cat. No 11745863) which features four different independent timing channels (refer to page 9)
- The Multi-Coloured™ Timer (Cat. No 11784426) which is supplied with three distinct, colourful frames that can be changed for identification purposes if required or for simply adding a bit of colour to the lab (refer to page 9)
- The Extra, Extra Large Digit Timer (Cat. No 15204016) which is ideal for viewing at a great distance (refer to page 11)

All Fisherbrand Traceable™ timers are individually certified ensuring that it has been properly calibrated, and if used correctly, will produce valid and accurate results. To guide you to choosing the right timer for your particular application, please refer to the selection guide below.

Timer Selection Chart

Cat. No	Page	Channels	Traceable™ Certificate supplied	Accuracy	Maximum time	Resolution	Battery	Clock	Memory	Features
11745863	9	4	Yes	0.01%	100 hours	1 second	15338754	Yes	Yes	Four-channel countdown/up
11784426	9	4	Yes	0.01%	100 hours	1 second	15338754	Yes	Yes	Personalise your timer
11725863	9	3	Yes	0.01%	100 hours	1 second	15348754	Yes	Yes	Continuous alarm
11705873	9	3	Yes	0.01%	20 hours	1 second	15348754	Yes	Yes	Triple display
11597453	10	3	Yes	0.01%	100 hours	1 second	15338754	Yes	Yes	Triple display
11749795	10	2	Yes	0.01%	100 hours	1 second	15348754	No	Yes	Visual and audible alarms
11745759	10	2	Yes	0.01%	24 hours	1 second	15348754	Yes	Yes	Adjustable display
11755863	10	2	Yes	0.01%	24 hours	1 second	15338754	Yes	Yes	Two-channel countdown/up
12695296	11	2	Yes	0.01%	24 hours	1 second	15338754	Yes	Yes	Ultra-compact
11507493	11	2	Yes	0.01%	20 hours	1 second	15348754	Yes	Yes	Two-line display
11739795	11	1	Yes	0.01%	100 minutes	1 second	15348754	No	Yes	Visual and audible alarms
15204016	11	1	Yes	0.01%	100 minutes	1 second	15348754	No	Yes	Extra-large digits
11765863	12	1	Yes	0.01%	100 minutes	1 second	15348754	No	Yes	Jumbo digits
11795863	12	1	Yes	0.01%	100 hours	1 second	15348754	Yes	Yes	Numbered keys
11512793	12	1	Yes	0.01%	100 minutes	1 second	15338754	No	No	Numbered keys
11789795	12	1	Yes	0.01%	24 hours	1 second	15358754	Yes	Yes	Innovative design
11775873	13	1	Yes	0.01%	100 minutes	1 second	15348754	No	Yes	Instant recall memory
11799795	13	1	Yes	0.01%	100 minutes	1 second	15348754	No	Yes	Automatic memory
11715863	13	1	Yes	0.01%	20 hours	1 minute	15348754	No	No	Easy three key operation
11745873	13	1	Yes	0.01%	100 minutes	1 second	15338754	No	Yes	Easy to use
11765873	14	1	Yes	0.01%	100 hours	1 second	15338754	No	Yes	Clips to everything
11729805	14	1	Yes	0.01%	100 minutes	1 second	15338754	No	Yes	Water resistant

Traceable™ Timers, Four-Channel

Traceable™ Four-Channel Alarm Timer

The lab's most popular timer

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- Large high display allows viewing from a distance
- Remarkable memory returns display to previously programmed countdown time at the touch of a button
- Extra-loud, high decibel alarms for 1 minute or can be silenced manually
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with clip, stand, magnet, battery, Traceable™ Certificate

Cat. No	Description
11745863	Traceable™ Four-Channel Alarm Timer

Traceable™ Multi-Coloured™ Timer

Show your distinct style with customised bold colours a fresh look for lab

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- Three bright, colourful supplied frames permit personalisation of timer
- Unique memory returns channel to previously programmed setting at touch of a key
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with bench stand, magnetic back, battery, Traceable™ Certificate

Cat. No	Description
11784426	Traceable™ Multi-Coloured™ Timer

Traceable™ Timers, Three-Channel

Traceable™ Three-Channel Alarm Timer

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

- Features: count up/down, time in/out, memories, alarm, clock, adjustable alarm duration/volume
- Perfect timer to dedicate to repetitive tests
- Triple display shows three different times at once; tests can be started individually or simultaneously
- Adjustable volume alarm can be set to sound for 60 seconds or to sound continuously until turned off
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, Traceable™ Certificate

Cat. No	Description
11725863	Traceable™ Three-Channel Alarm Timer

Traceable™ Triple-Display Timer

Triple-line display makes easy work of simultaneously timing three events

- Features: count up/down, time in/out, memory, alarm, stopwatch, 12/24-hour clock
- Perfect timer for dedicating to a test requiring several independent time measurements
- Unique memory returns channel to previously programmed setting at touch of a key
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Timing capacity: 19 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnetic back, Traceable™ Certificate

Cat. No	Description
11705873	Traceable™ Triple-Display Timer

Traceable™ Timers, Two-Channel

Traceable™ Three-Line Alarm

Unique, three-channel timer is perfect for use in all count up/down timing combinations

- Features: clock, count up/down, alarm, stopwatch, memory
- Displays three different countdown times simultaneously
- Three unique channels may be started individually or concurrently
- Memories return the display to the previously programmed time
- Perfect timer to dedicate to a group of repetitive tests
- Alarm: sounds at zero, "Time's Up" is displayed, timer begins counting up
- Chemical-resistant ABS plastic case, magnetic back, flip open easel
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with clip, stand, magnet, battery, Traceable™ Certificate

Cat. No	Description
11597453	Traceable™ Three-Line Alarm

Traceable™ Flashing LED Big-Digit Dual Channel Timer

Compact, multi-tasker with six-digit, dual channel display

- Features: two simultaneous countdown channels, flashing LED timing indicator/alarm, adjustable volume
- Unique visual indication for each channel; green light flashes while counting down and red light flashes once zero has been reached
- Adjustable volume: high decibel, low decibel, or off for silent flashing LED operation
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with batteries, magnetic back, flip-open stand/clip, opening for lanyard, Traceable™ Certificate

Cat. No	Description
11749795	Traceable™ Flashing LED Big-Digit Dual Channel Timer

Traceable™ Nano™ Timer

Small design – large display

- Features: countdown alarm time/stopwatch, count-up time, 12/24 hour clock
- Two timing channels
- Back clip with magnet
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnetic back, Traceable™ Certificate

Cat. No	Description
12695296	Traceable™ Nano™ Timer

Traceable™ Double Display Timer

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

- Features: count up/down, time in/out, alarm, memory, clock, stopwatch
- Always-ready memories on both countdown channels return display to previously programmed timing
- Timing capacity: 19 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnet, flip-open stand/clip, Traceable™ Certificate

Cat. No	Description
11507493	Traceable™ Double Display Timer

Traceable™ Jumbo Timer

Read display from any angle

- Features: count up/down, time in/out, memory, alarm, 12/24 hour clock, stopwatch
- Adjustable jumbo display from 90° to 180° tilt
- When zero is reached, distinct alarm sounds and timer counts up showing time elapsed since alarm
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, stand, wall-mount, Traceable™ Certificate

Cat. No	Description
11745759	Traceable™ Jumbo Timer

Traceable™ Two-Memory Timer

Popular bench-mate with memory is ideal for repetitive quality control tests and requirements

- Features: count up/down, time in/out, memories, alarm, 12/24 hour clock
- At zero, alarm sounds, TIME'S UP is displayed and counting up begins
- Large 9.5mm high LCD digits
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Accuracy: 0.01%
- Resolution: 1 second
- Supplied with battery, magnet, flip-open stand/clip, Traceable™ Certificate

Cat. No	Description
11755863	Traceable™ Two-Memory Timer

Traceable™ Timers, One-Channel

Traceable™ Flashing LED Alert Big-Digit Alarm Timer

Big-Digit Timer has it all: adjustable alarm, flashing LED, superb accuracy

- Features: big, 25mm display, count up/down, alarm, flashing LED, adjustable volume, three countdown memories
- Green light flashes every second after timing reaches 10 seconds; red LED indicator flashes when zero is reached and shows time elapsed since alarm
- Adjustable volume: high decibel, low decibel, or off for silent visual flashing LED
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with batteries, magnetic back, flip-open stand/ clip, opening for lanyard, Traceable™ Certificate

Cat. No	Description
11739795	Traceable™ Flashing LED Alert Big-Digit Alarm Timer

Traceable™ Extra, Extra Large Digit Countdown Timer

Extreme 38mm digit height allows viewing from 18m

- Features: count up/down, memory, alarm, stopwatch
- Unique memory returns channel to previously programmed setting at touch of a key
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with hanger, clip, easel bench stand, magnetic back, battery, Traceable™ Certificate

Cat. No	Description
15204016	Traceable™ Extra, Extra Large Digit Countdown Timer

Traceable™ GIANT-DIGIT™ Countdown Timer

View giant digits on your bench timer from across the lab

- Features: count up/down, alarm, memory, stopwatch mode
- 34mm digit height - viewable from 15m
- Countdown and alarm on single channel for ease of use
- Three button intuitive operation eliminates reading instructions
- Automatic Bounceback™ memory for repetitive timing
- Counts up during alarming indicating elapsed time since alarming
- Counts up in stopwatch mode
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with stand, magnetic back, battery, Traceable™ Certificate

Cat. No	Description
11765863	Traceable™ GIANT-DIGIT™ Countdown Timer

Traceable™ 100-Hour Mini-Alarm Timer/ Stopwatch

Lab partner delivers multiple functions for routine, everyday timing needs

- Features: count up/down, time in/out, memory, extra-loud alarm, clock
- Numbered keys make it a breeze to set countdown time
- When zero is reached, alarm sounds, TIME'S UP flashes/counts-up, shows time elapsed since alarm
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnetic back, flip-open stand, clip, opening for lanyard, Traceable™ Certificate

Cat. No	Description
11795863	Traceable™ 100-Hour Mini-Alarm Timer/ Stopwatch

Traceable™ Instant-Recall Memory Timer

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

- Features: count down, time in/out, alarm, memory
- Intuitive, three-key programming makes this an all-time favourite for delivering countdown results
- Input a time and the instant memory always returns the display to the programmed time
- Extra-large, 16 mm-high digits
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, Traceable™ Certificate

Cat. No	Description
11775873	Traceable™ Instant-Recall Memory Timer

Traceable™ 99m/59s Timer

Jumbo-digit, light weight portable lab partner is ideal for repetitive countdown tests

- Features: count up/down, memory, large keys, extra large digits, alarm
- Four-digit LCD 19mm high display shows the time remaining in minutes and seconds
- Automatic memory resets display to last programmed time, ideal for repetitive tests
- High volume alarm sounds at zero for 30s
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnet, flip-open stand, clip, Traceable™ Certificate

Cat. No	Description
11799795	Traceable™ 99M/59S Timer

Traceable™ Alarm Timer/Stopwatch

Numbered, quick-set keys make programming this multi-purpose timer a breeze

- Features: count up/down, time-out, alarm
- Numbered keys make it a breeze to set countdown time
- Timing capacity: 99 minutes, 99 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with clip, stand, magnet, opening for lanyard, battery, Traceable™ Certificate

Cat. No	Description
11512793	Traceable™ Alarm Timer/Stopwatch

Traceable™ Lab-Top Timer

Innovatively designed display can be clearly seen from any angle

- Features: count up/down, alarm, memory, clock, large keys
- MEMORY button stores most recently programmed time and provides quick access for repetitive tests
- Extra large keys
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, Traceable™ Certificate

Cat. No	Description
11789795	Traceable™ Lab-Top Timer

Traceable™ QC timer

Simple three-key use and large digits for easy viewing

- Features: count up/down, alarm
- Easy three key operation
- Times set up to 20hr in 1min increments
- At zero 1min alarm sounds
- Very large 19mm LED digits
- Timing capacity: 19 hours, 59 seconds
- Resolution: 1 min
- Accuracy: 0.01%
- Supplied with battery, flip-open stand, magnet, Traceable™ Certificate

Cat. No	Description
11715873	Traceable™ QC timer

Traceable™ Fingertip Timer

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

- Features: count down, time in/out, alarm
- Impressive memory, remembers most recently programmed setting for recurring lab experiments
- Supplied with battery, magnetic back, Velcro™, Traceable™ Certificate
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%

Cat. No	Description
11745873	Traceable™ Fingertip Timer

Traceable™ Clip-It™ Timer

Perennial favourite multi-tasking timer with handy attachment clip

- Features: count up/down, alarm, time in/out
- Memory saves last programmed setting for quick recall - useful for repetitive timing events
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.005% quartz-crystal
- Supplied with clip, magnet, opening for lanyard, battery, Traceable™ Certificate

Cat. No	Description
11765873	Traceable Clip-It™ Timer

Traceable™ Water-Resistant, Flashing Timer

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

- Features: water-resistant, splash-proof, count up/down, alarm, lanyard
- When zero is reached a bright red LED flashes and an audible alarm sounds for one minute or until manually turned off
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with lanyard, suction cup, magnet, and Velcro™, battery, Traceable™ Certificate

Cat. No	Description
11729805	Traceable™ Water-Resistant, Flashing Timer

Fisher Scientific

Meet the Fisher Scientific Family
Whatever your application Fisherbrand, Fisher Chemical and Fisher Bioreagents have a solution for you

For the full range visit
www.eu.fishersci.com/fisherbrand

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Fisher BioReagents®
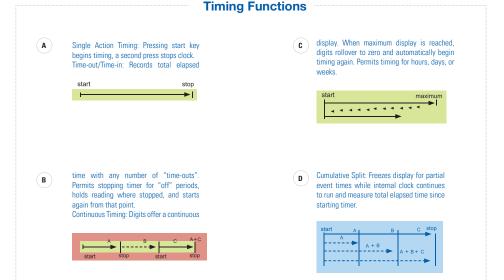
Traceable™ Stopwatches

The Fisherbrand range of Traceable™ Stopwatches are made for scientists in industrial, educational, hospital and generally an endless number of labs who insist on the finest precision instruments for their research. Their extra-tough and durable-waterproof design makes them ideal for a multitude of daily applications both in the lab and in the field.

All Fisherbrand Traceable™ Stopwatches are individually certified ensuring that the stopwatch has been properly calibrated to give trusted results. To guide you to choosing the right stopwatch for your particular application refer to the selection guide below.

Stopwatch Selection Chart

Cat. No	Page	Timing capacity	Traceable™ Certificate supplied	Accuracy	Resolution	Timing functions (see below)	Features
15233966	16	24 hours	Yes	0.0035%	1/100 second	A, B, C, D	Big digits
11755833	16	24 hours	Yes	0.010%	1/100 second	A, B, C, D	Water-resistant
11765833	16	24 hours	Yes	0.1%	1/100 second	A, B, C, D	Disposable
11522803	16	10 hours	Yes	0.001%	1/100 second	A, B, C, D	60 memories

Timing Functions

A Single Action Timing: Pressing start key begins timing, a second press stops clock. Time-out/Time-in: Records total elapsed

C display. When maximum display is reached, digits rollover to zero and automatically begin timing again. Permits timing for hours, days, or weeks.

B time with any number of "time-outs". Permits stopping timer for "off" periods, holds reading where stopped, and starts again from that point. Continuous Timing: Digits offer a continuous

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

Traceable™ Clocks

Fisherbrand Traceable™ Clocks are the ideal, static time-keeper for any lab, office, or work environment. Many of the Traceable™ Clocks can be hung on the wall and will keep you informed of the ambient temperature, humidity, and, of course, time.

Traceable Clocks are available in digital, atomic digital, or conventional analogue formats.

- **Traceable™ Analogue Clocks** clearly display the time with bright, sweeping hands. To assure accuracy an individually serial-numbered Traceable™ Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability, for time only, to standards provided by NIST (National Institute of Standards and Technology).

- **Traceable™ Atomic Clocks** are accurate to 1/10,000 of a second. Resolution is 1 second. Receives a radio signal from the atomic clocks in Anthorn, United Kingdom and Mainflingen in Hessen, Germany, providing you with the exact time accredited to national standards.

Traceable™ Big-Digit Stopwatch/ Chronograph

Utility unit has complete stopwatch functions and full chronograph features

- Features: big-digit, chronograph, time in hours, minutes, seconds, AM/PM, date, day, time alarm
- Stopwatch functions: single action, time in/out, cumulative split, continuous timing
- Extra-tough ABS plastic shockproof construction makes it ideal for lab and plant use
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 0.01 second
- Accuracy: 0.0035%
- Timing functions: A, B, C, D
- Supplied with battery, lanyard, Traceable™ Certificate

Cat. No	Description
15233966	Traceable™ Big-Digit Stopwatch/ Chronograph

Traceable™ Water-Resistant/Shockproof Stopwatch

General purpose stopwatch is water-resistant to three atmospheres

- Features: water-resistant, chronograph, time of day in hours, minutes, and seconds, date, day, and alarm
- Stopwatch functions: single action, time out, cumulative split, interval split, continuous timing
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1/100 of a second (between 0 to 30 minutes), 1 second (between 31 min to 23 hr 59 min 59 sec)
- Accuracy: 0.01%
- Timing functions: A, B, C, D
- Supplied with battery, key-chain, Traceable™ Certificate

Cat. No	Description
11755833	Traceable™ Water-resistant/Shockproof Stopwatch

Traceable™ Clocks, Digital

Traceable™ Calendar/Thermometer/Clock

Clock has stylish two-tone colour and slim silhouette

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

Cat. No	Feature parameters	Resolution	Accuracy	Size/Weight
11795833	Time: 12/24 hour clock Temp: -5°C to 50°C (23°F to 122°F)	1 minute 0.1°C	0.01% N/A	235mm x 254mm, 539g

Traceable™ Three-Key Stopwatch

The first disposable stopwatch

- Features: single action, time out, cumulative split, and continuous rollover timing
- Displays time and date
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1/100 of a second (between 0 to 30 minutes), 1 second (between 31 min to 23 hr 59 min 59 sec)
- Accuracy: 0.1%
- Timing functions: A, B, C, D
- Supplied with battery, lanyard, Traceable™ Certificate

Cat. No	Description
11765833	Traceable™ Three-Key Stopwatch

Traceable™ 60-Memory Stopwatch

Extra smart 10-hour time keeper recalls 60 events

- Features: 60 memories, alarm, time, date, day of week
- Automatic repeat with countdown alarm timing
- Three line display, times to 10hr
- Multifunction stopwatch, 60 memories recall all splits
- Timing capacity: 9 hours, 59 minutes, 59 seconds
- Resolution: 0.01s
- Accuracy: 0.001%
- Timing functions: A, B, C, D
- Supplied with battery, lanyard, Traceable™ Certificate

Cat. No	Description
11522803	Traceable™ Stopwatch, 60 memory,

Traceable™ Clocks, Digital Atomic

NEW

Traceable™ Jumbo-Digit Compact Radio-Controlled Atomic Clock

Jumbo sized 95mm display clock digits in a compact case

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

Cat. No	Time feature	Resolution	Accuracy	Size/Weight	Radio signal
15368754	12/24 hours	1 second	1/10,000 second	229mm x 127mm x 32mm, 425g	UK signal
15378754	12/24 hours	1 second	1/10,000 second	229mm x 127mm x 32mm, 425g	European signal

Traceable™ Clocks, Analogue

Traceable™ 'Blue is Good' Wall Clock

Attractive wall clock tells time of day to second

• Features: water/dust resistant sealed case, bright sweeping second hand
• Supplied with battery, wall mount, Traceable™ Certificate

Cat. No	Time feature	Resolution	Accuracy	Size/Weight
11744426	Traceable 'Blue is Good' wall clock	1 minute	0.01%	318mm diameter, 453g

Traceable™ Splash-Resistant Wall Clock

A worthy addition to every lab

• Attractive, 305mm diameter wall clock
• Water and dust resistant sealed case
• Bright second sweeping hand
• Supplied with battery, Traceable™ Certificate

Cat. No	Time feature	Size/Weight
11719815	Traceable™ Splash-Resistant Wall Clock	305mm diameter, 453g

Traceable™ Clock Thermometer/Humidity

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

• Features: analogue time, temperature, humidity
• Supplied with battery, wall mount screw, Traceable™ Certificate

Cat. No	Feature parameters	Resolution	Accuracy	Size/Weight
11785833	Time: AM/PM clock	1 second	0.01%	
	Temp: -20°C to 55°C (-4°F to 131°F)	1°C	N/A	318mm diameter, 453g
	Humidity: 0 to 100%	2%	N/A	

Traceable™ Stick-It™ Mini-Clock

Small size makes Mini-Clock perfect for work areas

• Mini-Clock is perfect for each work area
• Bright hands and white sweeping second hand are easy to read
• Rugged gleaming metal case is O-ring sealed making it water resistant/dustproof. Mini-size 40 mm diameter x 8 mm depth, and Velcro double-backed tape allows unit to be placed anywhere. Flat bottom permits standing on shelf, desk, or bench
• Precise quartz-crystal accuracy is 0.013%
• Supplied with battery, Traceable™ Certificate

Cat. No	
11719815	Traceable™ Stick-It™ Mini-Clock

TRACEABLE™ THERMOMETERS AND TEMPERATURE DATA-LOGGERS

Traceable™ Thermometers

Fisherbrand offers a wide range of Traceable™ Thermometers, providing accurate results in all temperature conditions and environments and suitable for use with liquids, air, gases, and semi-solids.

Traceable™ Thermometers are available as fully portable models or are supplied as standard with accessories for secure placement in any location. Traceable™ Thermometers also offer Minimum/Maximum memories and also feature visual LED alarms or audible alarms suitable for both quiet and loud working environments. So whether you are interested in simply monitoring the environmental laboratory conditions and recording the ambient temperature or monitoring your precious samples in refrigerators and freezers, Fisherbrand has the perfect product to suit your requirements.

The Traceable™ Refrigerator/Freezer Thermometer (Cat. No. 11873460, refer to page 20) is the most widely recognised and most popular choice in the laboratory for monitoring refrigerator temperatures. It displays the current temperature, plus the maxima and minima, and can also be set with high or low alarms.

For increased resolution and accuracy, the High-Accuracy Refrigerator Thermometer (Cat. No 11725853, refer to page 20) is the thermometer of choice. This thermometer has a resolution of 0.01°C and an accuracy of ±0.3°C. Additionally, it provides a time/date stamp of when the minimum and maximum temperatures were achieved or when an alarm was triggered.

In addition to the Traceable™ Thermometers highlighted above, the range also includes many other specialty types, including those with robust platinum or stainless probes, or those operating via infrared detection or via Type K thermocoupling.

Traceable™ Refrigerator/Freezer Thermometers

All Fisherbrand Traceable™ Refrigerator/Freezer Thermometers are individually certified ensuring that the thermometer has been properly calibrated to give trusted results. To guide you to choosing the right thermometer for your particular application, please refer to the selection guide below.

Selection Guide for Traceable™ Refrigerator/Freezer and Vaccine Probe Thermometers

Cat. No	Page	Traceable™ Certificate supplied	Range	Resolution	Accuracy	Length probe	Length cable	Waterproof	Battery	Alarm	Display MIN/MAX
11715853	20	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.3°C	63mm	3m	Probe/cable	15348754	Yes	Yes
11725853	20	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.3°C	63mm	3m	Probe/cable	15348754	Yes	Yes
11735853	20	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.3°C	19mm	3m	Probe/cable	15348754	Yes	Yes
11705853	20	Yes	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C	63mm	3m	Probe/cable	15348754	Yes	Yes
11709755	20	Yes	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C	19mm	3m	Probe/cable	15348754	Yes	Yes
11715863	20	Yes	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C	33mm	3m	Probe/cable	15348754	Yes	Yes
11873460	20	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	63mm	3m	Probe/cable	15358754	Yes	Yes
11799735	20	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	19mm	3m	Probe/cable	15358754	Yes	Yes
11749745	20	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	33mm	3m	Probe/cable	15358754	Yes	Yes
15274016	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Probe/cable	15348754	Yes	Yes
15284016	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Probe/cable	15348754	Yes	Yes
11709745	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Yes	15338754	No	Yes
11719745	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Yes	15338754	No	Yes
11729745	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Yes	15338754	No	Yes
11739745	21	Yes	-30 to 70°C (-22 to 158°F)	0.1°	±1°C	63mm	N/A	Yes	15338754	No	Yes
11785843	21	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	19mm	3m	Probe/cable	15338754	No	Yes
11765853	21	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	63mm	3m	Probe/cable	15338754	No	Yes
12641395	21	Yes	-50 to 70°C (-58 to 158°F)	1°	±1°C	33mm	3m	Probe/cable	15338754	No	Yes
11705863	21	Yes	-50 to 70°C (-58 to 158°F)	0.1°	±1°C	63mm	3m	Probe/cable	15348754	Yes	Yes
13577070	23	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.1°C	63mm	3m	Probe/cable	15348754	Yes	Yes
13567070	23	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	33mm	3m	Probe/cable	15348754	Yes	Yes
13507080	23	Yes	-100 to 70°C (-148 to 158°F)	0.01°	±0.25°C	33mm	3m	Probe/cable	15348754	Yes	Yes

Traceable™ High-Accuracy Refrigerator/Freezer Thermometer

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

- Reads to 0.01° while monitoring temperatures in refrigerator and freezer simultaneously or two refrigerator locations, °C/°F switchable
- Visual and audible signals continue even if temperature returns to non-alarm range
- Triple display shows minimum, maximum and current temperatures
- Two channel alarms provide unique visual (LED's) and audio alerts when temperature rises above or falls below user-defined high and low set points
- Unit displays the exact time and date when dual thermometer alarms are triggered, alarms are programmable in 0.1° increments
- Monitors minimum and maximum readings and displays the exact time and date when minimum and maximum temperatures occurred for both probes
- Supplied with battery, 3m cable, magnetic strips, Velcro™, bench stand, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11715853	-50 to 70°C (-58 to 158°F)	0.01°	±0.30°C	One bottle (patented)
11725853	-50 to 70°C (-58 to 158°F)	0.01°	±0.30°C	Two bottle (patented)
11735853	-50 to 70°C (-58 to 158°F)	0.01°	±0.30°C	Two chemical-resistant, waterproof sensors 5mm diameter and 19mm long

11715853

11725853   **11735853**

Traceable™ Refrigerator/Freezer Plus™ Thermometer

Temperature-buffered bottle insulates sensor from rapid temperature changes

- Triple display simultaneously shows MIN/MAX and current temperatures, °C/°F switchable
- Monitors high and low readings overnight, on weekends, or for any time period - a significant advantage over current read-only temperatures
- Alarm is programmable in 1° increments and alerts user when temperature rises above or falls below a set point
- Supplied with battery, Velcro™, magnetic strips, 3m cable, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11705853	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C (±0.9°F)	5mm diameter and 19mm long
11709755	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C (±0.9°F)	Bottle (patented) specifically for refrigerator/freezer applications
11715863	-50 to 70°C (-58 to 158°F)	0.1°	±0.5°C (±0.9°F)	5mL vaccine bottle mimics vaccine temperature and fits in tray

11709755   **11705853**   **11715863**

Traceable™ Refrigerator/Freezer Thermometer

The world's most popular refrigerator/freezer thermometers

- Triple display simultaneously shows MIN/MAX and current temperatures, °C/°F switchable
- Accurately monitor temperatures in freezers, water baths, heating blocks, incubators and refrigerators with this enclosed temperature-buffered sensor
- Bottle insulates sensor from rapid temperature changes when refrigerator door is opened
- Minimum/maximum monitors high and low readings overnight, on weekends, or for any time period
- Alarm is programmable in 1° increments, sounds continuously when temperature rises above/falls below set points and can be turned off manually
- Visual and audible signals continue even if temperature returns to non-alarm range
- High-impact, chemical-resistant ABS plastic case: 70mm x 108mm x 19mm, weight 113g
- Supplied with stand, 3m micro cable, wall mounting, Velcro™, magnetic strips, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11873460	-50 to 70°C (-58 to 158°F)	1°	±1°C	5mm diameter and 19mm long
11799735	-50 to 70°C (-58 to 158°F)	1°	±1°C	Bottle designed for refrigerator/freezer applications (patented)
11749745	-50 to 70°C (-58 to 158°F)	1°	±1°C	5mL vaccine bottle mimics vaccine temperature and fits in tray

11873460

11799735   **11749745**

Traceable™ Wireless Radio-Signal Refrigerator Thermometer

Captures temperature data with high-efficiency wireless technology

- Unit wirelessly reads refrigerator temperatures from 30m away, place remote module inside a refrigerator
- MIN/MAX memory allows monitoring conditions over any time period, °C/°F switchable
- Distinctive alarm sounds when temperature rises above or falls below set points
- Indicator on main unit shows rising/falling temperature trends
- Readings from up to three remote sensors are sent to main unit via radio signal -433 MHz penetrates refrigerators and walls
- Supplied with batteries, one main unit, one remote unit, flip-open stand, wall mount, Velcro™, Traceable™ Certificate

15274016

Cat. No	Range	Resolution	Accuracy	Probe
15274016	-30 to 70°C (22 to 158°F)	0.1°	±1.0°C	Bottle designed for refrigerator/freezer applications (patented)
15284016	-30 to 70°C (22 to 158°F)	0.1°	±1.0°C	Accessory bottle remote module (set to channel 1, 2, or 3)

Traceable™ Digital-Bottle™ Refrigerator/Freezer Thermometer

Sealed unit can be placed inside a refrigerator

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

Cat. No	Range	Resolution	Accuracy	Probe
11709745	-30 to 50°C (-22 to 122°F)	0.1°	±1.0°C between -20.0 to 85°C	Glycol-filled bottle (patented)
11719745	-30 to 50°C (-22 to 122°F)	0.1°	±0.4°C at tested points	Glycol-filled bottle (patented)
11729745	-30 to 50°C (-22 to 122°F)	0.1°	±1.0°C between -20.0 to 85°C	Glass-bead filled bottle
11739745	-30 to 50°C (-22 to 122°F)	0.1°	±0.4°C at tested points	Glass-bead filled bottle

Traceable™ Sentry™ Thermometer

Simple one-key reset operation resets MIN/MAX memories

- Constantly monitor high, low and current temperatures
- Sensor and 3m cable may be placed underwater, in refrigerator or in freezer
- Unplugging the cable activates a sensor inside the unit for monitoring ambient temperature
- Supplied with battery, probe, 3m cable, wall mount, magnet, stand, Velcro™, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11785843	-50 to 70°C (58 to 158°F)	1°	±1°C	5mm diameter and 19mm long
11765853	-50 to 70°C (58 to 158°F)	1°	±1°C	Bottle designed for refrigerator/freezer applications (patented)
12641395	-50 to 70°C (58 to 158°F)	1°	±1°C	5mL vaccine bottle mimics vaccine temperature and fits in tray

Traceable™ Jumbo Refrigerator/Freezer Thermometer

Jumbo LCD simultaneously show minimum, maximum and current temperature

- All-time favourite modular thermometer is easy to mount or position on any flat surface
- Valuable MIN/MAX memory records readings over any time period, °C/°F switchable
- Easy-read digital display with jumbo digits updates every 10 seconds to maintain excellent test results
- Supplied with battery, magnet, stand, probe, 3m cable, Traceable™ Certificate

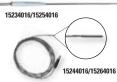| Cat. No	Range	Resolution	Accuracy	Probe
11705863	-50 to 70°C (58 to 158°F)	0.1°	± 1°C	Bottle designed for refrigerator/freezer applications (patented)

Traceable™ Platinum and Stainless Steel Probe Thermometers

All Fisherbrand Traceable™ Platinum and Stainless Steel Probe Thermometers are individually certified ensuring that the thermometer has been properly calibrated to give trusted results. To guide you to choosing the right thermometer for your particular application, please refer to the selection guide below.

Selection Guide for Traceable™ Platinum and Stainless Steel Probe Thermometers

Cat. No	Page	Traceable™ Certificate supplied	Range	Resolution	Accuracy (°C)	Probe length	Waterproof	Battery	Alarm	Display MIN/MAX
15234016	22	Yes	-200 to 500°C (-328 to 982°F)	0.0001°	±0.05°C	160mm	No	15318754	No	Yes
15244016	22	Yes	-100 to 200°C (-148 to 392°F)	0.0001°	±0.05°C	25mm	No	15318754	No	Yes
11705843	23	Yes	-50 to 150°C (-58 to 302°F)	0.0001°	±0.05°C	229mm	Probe only	15318754	No	Yes
13597070	23	Yes	-100 to 199°C (-148 to 199°F)	0.1°	±0.01°C	229mm	Probe only	15348754	Yes	Yes
13577070	23	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.1°C	63mm	Probe/cable	15348754	Yes	Yes
13567070	23	Yes	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	33mm	Probe/cable	15348754	Yes	Yes
13507080	23	Yes	-100 to 70°C (-148 to 158°F)	0.01°	±0.25°C	33mm	Probe/cable	15348754	Yes	Yes
11729765	23	Yes	-50 to 400°C (-58 to 752°F)	0.01°	±0.1% + 0.2°C	160mm	Probe only	15318754	No	No
11739765	23	Yes	-99 to 200°C (-146 to 392°F)	0.1°	±2°C	76mm	Probe only	15318754	No	No
11799725	23	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±1°C	190mm	Probe only	15338754	Yes	Yes
11749725	24	Yes	-50 to 150°C (-58 to 302°F)	0.1°	±1°C	178mm	Probe only	15338754	No	No
11789725	24	Yes	-50 to 260°C (-58 to 500°F)	0.1°	±1°C	197mm	Probe only	15348754	Yes	Yes
11715843	24	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±1°C	114mm	Yes	15328754	No	Yes
11785853	24	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±1°C	203mm	Yes	15338754	No	Yes
11799715	24	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±0.4°C at tested points	203mm	Yes	15338754	No	Yes
11799705	24	Yes	-50 to 150°C (-58 to 302°F)	0.1°	±1°C	203mm	Probe only	15338754	No	No
11719715	24	Yes	-50 to 150°C (-58 to 302°F)	0.1°	±0.2°C	203mm	Probe only	15338754	No	No
11729715	24	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±1°C	289mm	Probe only	15338754	No	No
11739715	24	Yes	-50 to 300°C (-58 to 572°F)	0.1°	±0.5°C	289mm	Probe only	15338754	No	No

Traceable™ Thermometers, Platinum

Traceable™ Platinum Ultra-Accurate Digital Thermometer

Most accurate thermometer available with 0.0001° resolution

- Instant response probe updates readings three times per second for liquids, air/gas and semi-solids
- Computer output data captures in real time
- Decimal-placement key changes display to show 1, 2, 3 or 4 significant numbers after decimal
- Internal data logger automatically captures MIN/MAX readings every hour for last 24 hours
- Supplied with battery, platinum probe, cable, computer output, plastic carrying case, Traceable™ Certificate

15234016/15254016

15244016/15264016

Cat. No	Unit range	Probe range	Resolution	Accuracy	Platinum RTD stainless steel probe
15234016	-200 to 500°C (-328 to 932°F)	-200 to 500°C (-328 to 932°F	0.0001°	±0.05°C or 0.05% between -80 to 290°C	160mm stem, 3.3mm diameter, 1.8m cable
15244016	-200 to 500°C (-328 to 932°F)	-100 to 200°C (-148 to 392°F)	0.0001°	±0.05°C or 0.05% between -80 to 290°C	25mm stem, 6mm diameter, 3m PTFE cable

Cat. No	Accessories
15254016	Replacement platinum RTD stainless steel probe
15264016	Replacement platinum RTD stainless steel bullet™ probe
11704286	Description Data acquisition kit, comprising accessory data cable with communication software, parallel to serial converter and a.c. adapter

Traceable™ Digital Thermometer

The laboratory standard

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

Cat. No	Range	Resolution	Accuracy
11705843	-50 to 150°C (-58 to 302°F)	0.0001°	± 0.5°C between 0°C and 100°C

Cat. No	Accessories
11704286	Data acquisition kit Fisherbrand for 11705843
15223996	Replacement probe for for 11705843

Traceable™ Platinum High-Accuracy Freezer Thermometer

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

- 13507080 is ideal for ultra-low freezer applications
- 13577070 and 13567070 are ideal for refrigerator/freezer applications
- Triple display shows current temperature in °C or °F, as well as the MIN/MAX temperatures
- Time/date stamp key shows exact time and date for all minimum and maximum readings
- Visual LED flashes and audible alarm sounds continuously even if temperature returns to non-alarm range
- Supplied with platinum probe, stand, wall mount, probe holder, batteries, Traceable™ Certificate

Supplied stainless-steel holder

13597070

13577070   13567070   13507080

Platinum RTD stainless-steel probe

Cat. No	Range	Resolution	Accuracy	Probe	Calibration points
13597070	-100 to 199°C (-148 to 199°F)	0.01°	±0.1°C	Handle: platinum RTD stainless steel; 3.3mm dia. x 160mm stem, x 2.7m overall	-80°C, 0°C, 50°C, 190°

Refrigerator/Freezer

Cat. No	Range	Resolution	Accuracy	Probe	Calibration points
13577070	-50 to 70°C (-58 to 158°F)	0.01°	±0.1°C	Bottle (patented) designed for refrigerator/freezer applications	-40, 0°C and 50°C
13567070	-50 to 70°C (-58 to 158°F)	0.01°	±0.1°C	5mm diameter x 19mm long	-40, 0°C and 50°C
13507080	-100 to 70°C (-148 to 158°F)	0.01°	±0.1°C	5mm diameter x 19mm long	-80°C, -40°C, 0°C

Traceable™ RTD Platinum Thermometer

State of the art aerospace technology delivers high platinum performance

- High-precision thermometer is geared specifically for measuring temperatures in soils, foods, oven, cuvettes, gas systems, water baths, wastewater, incubators, chemical solutions and extremely cold conditions
- Fail-safe display shows low battery and probe conditions
- Computer output allows thermometer to be connected to a computer or data logger for capturing and storing results
- One-key condition allows everyone in the lab to report identical readings and eliminates operator error techniques
- Supplied with platinum RTD probe, battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11729765	-50 to 400°C (-58 to 752°F)	0.01° below 200°C, 0. 1° above 200°C	±0.1% + 0.2°C below 200°C and ±0.15% + 0.5°C above 200°C	152mm probe, 3.3mm diameter, 1m cable length

Traceable™ -100°C Platinum Freezer Thermometer

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

- Accurate -100°C platinum probe is triple purpose for liquids, gas/air and frozen materials
- Ultra-slim micro 3m cable allows freezer doors to seal tightly around it
- One-key condition allows everyone in the lab to report identical readings and eliminates operator error techniques
- Supplied with platinum RTD probe, battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11739765	-99 to 199.9°C	0.1°	±2°C	76mm probe, 4mm diameter, 3m cable length

Traceable Thermometers with Stainless Steel Probes

Traceable™ Kangaroo™ Thermometer

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

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

Cat. No	Range	Resolution	Accuracy	Probe
11799725	-50 to 300°C (-58 to 572°F)	0.1° from -19.9 to 199.9°C; or 1° elsewhere	±1°C from -30 to 250°C; or ±2°C elsewhere	190mm length 3.5mm diameter

Traceable™ Mini-Thermometer

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

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

Cat. No	Range	Resolution	Accuracy	Probe
11749725	-50 to 150°C (-58 to 302°F)	0.1°	±1.0°C	3.5mm diameter, 178mm length, 457mm cable

Traceable™ Digital Thermometer

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

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

Cat. No	Range	Resolution	Accuracy	Probe
11789725	-50 to 260°C (-58 to 500°F)	0.1°	±1.0°C	3.5mm diameter, 184mm length, 914mm cable

Traceable™ Waterproof Thermometer °C/°F

All-weather compatible

- Water/shockproof case provides flawless readings in freezers, water baths, incubators and tanks
- One-key operation quickly recalls highest/lowest readings over any time period
- Easy view, 6.4 mm high LCD digits may be read with a glance
- Supplied with battery, probe, cable, suction cups, magnet, Velcro™ strips, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Probe
11715843	-50 to 300°C (-58 to 572°F)	0.1°	±1°C between -20 and 100°C	3.5mm diameter, 184mm length, 914mm cable

Traceable™ Thermometer, Lollipop, Stainless Steel

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

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

Cat. No	Range	Resolution	Accuracy
11785853	-50 to 300°C (-58 to 572°F)	0.1° from -20 to 200°C; or 1°C elsewhere	±1°C
11799715	-50 to 300°C (-58 to 572°F)	0.1° from -20 to 200°C; or 1°C elsewhere	±0.4°C at tested points

Traceable™ Long-Stem Thermometer

Ideal for replacing all glass and mercury thermometers in the lab

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

Cat. No	Range	Resolution	Accuracy	Stem length	Overall length
11799705	-50 to 150°C (-58 to 302°F)		±1°C	203mm	279mm
11719715	-50 to 150°C (-58 to 302°F)	0.1° from -20 to 200° (1° otherwise)	±0.2°C at tested points	203mm	279mm
11729715	-50 to 150°C (-58 to 302°F)		±1°C	279mm	356mm
11739715	-50 to 150°C (-58 to 302°F)		±0.5°C at tested points	279mm	356mm

Traceable Specialty, Type K and Infrared Thermometers

All Fisherbrand Traceable Specialty, Type K and Infrared Thermometers are individually certified ensuring that the thermometer has been properly calibrated to give trusted results. To guide you to choosing the right thermometer for your particular application, please refer to the selection guide below.

Selection Guide for Traceable Specialty, Type K and Infrared Thermometers

Cat. No	Page	Traceable™ Certificate supplied	Range	Resolution	Accuracy	Probe length	Waterproof	Battery	Alarm	Display MIN/MAX
15283996	25	Yes	-50 to 150°C (-58 to 302°F)	0.1°	±1°C	127mm	Entire unit	15338754	No	Yes
15293996	25	Yes	-50 to 150°C (-58 to 302°F)	0.1°	±1°C	N/A	Entire unit	15338754	No	Yes
11775853	26	Yes	Infrared sensor -55 to 250°C (-67 to 482°F)	0.2°C (0.5°F) between -10 and 200; otherwise 1°	±0.6°C between -5 and 65°C	N/A	N/A	15348754	No	Yes
			Piercing, stainless steel sensor -55 to 330°C (-67 to 626°F)	0.2°C (0.5°F) between -10 and 200; otherwise 1°	±0.5°C	152mm	Probe only	15348754	No	Yes
11779775	26	Yes	-200 to 1,333°C (-328 to 2,431°F)	0.1°	±1°C	1.2m	Cable only	15358754	Yes	Yes
11709795	26	Yes	-28 to 38°C (-20 to 100°F)	N/A	±1°C	N/A	N/A	15358754	No	No
11719795	26	Yes	-28 to 38°C (-20 to 100°F)	N/A	±1°C	N/A	N/A	15338754	No	No
11759755	26	Yes	-50 to 70°C (-58 to 158°F)	0.2°	±1°C	3m	Probe/cable	15348754	No	Yes
11749765	27	Yes	-200 to 1,370°C (-328 to 2,498°F)	0.1° and 1%	±1°C	6mm	Cable only	15348754	Yes	Yes
11789765	27	Yes	-200 to 1,300°C (-328 to 2,372°F)	0.1° and 1%	±0.3% +1°C	6mm	Cable only	15348754	No	Yes
11729785	27	Yes	-60 to 500°C (-76 to 932°F)	0.1°	±2°C or 2%	N/A	N/A	15338754	No	No
11779785	27	Yes	-50 to 1,000°C (-58 to 1,832°F)	0.1°	±1.5% + 2°C	N/A	N/A	15348754	No	No
11709785	28	Yes	-33 to 220°C (-27 to 428°F)	0.1°	±1°C + 2%	N/A	N/A	15348754	No	No

Traceable™ Thermometers, Speciality

15293996

15283996

Traceable™ Dishwasher/Metal Thermometer

Reports MIN/MAX temperatures achieved during dishwashing cycle

- Monitors temperatures for proper cleaning
- Waterproof and metal construction are ideal for food, wet labs, outdoors
- Supplied with clip for attaching to dishwasher rack, battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Feature
15283996	-50 to 150°C (-58 to 302°F)	0.1°	±1°C between -20 to 150°C	Stainless steel probe
15293996	-50 to 150°C (-58 to 302°F)	0.1°	±1°C between -20 to 150°C	Dishwasher clip

Traceable™ Waterproof Food HACCP Thermometer

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

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

Infrared sensor

Cat. No	Sensor	Range	Resolution	Accuracy
11775853	Infrared	-55 to 250°C (-67 to 482°F)	0.2°C (0.5°F) between -10 and 200°C ; 1°C elsewhere	±0.6°C between -5 to 65°C
	Piercing, stainless-steel	-55 to 330°C (-67 to 626°F)		±0.5°C

Traceable™ Printing Thermometer

Printing thermometer provides permanent record, prints time and date

- Provides permanent record of temperature and time of day/date/month
- Prints the time and date for maximum only, minimum only, average only, and in circularly mode T1, T2 and differential
- Automatic printing may be programmed to print in any interval from 3 seconds to 23 hours 59 minutes 59 seconds
- Dual probe inputs allow displaying temperature of probe 1, probe 2, or difference (delta) of probe 1 and 2 (accepts Type J, K, T or E probe), °C/°F switchable
- Supplied with two 1.2m Type K beaded probes, two thermal paper rolls, ABS carrying case, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy
11779775	-200 to 1,333°C (-328 to 2,431°F)	0.1°	±1°C

Traceable™ Disposable Temperature Recorder

Provides a permanent records – easy to read, fax or scan

- Monitors refrigerators, supply rooms, food storage, chemical warehouses, animal quarters, incubators, goods-in-transit, walk-in chambers, biological materials, and manufacturing plants
- Single use, disposable recorder displays temperatures on a 0.9mm strip chart
- Records for 10 or 40 days
- Temperature range -28 to 38°C and -20 to 100°F
- Accuracy is ±1°C (±2°F)
- Solid state, battery-driven, quartz-crystal controlled motor turns the chart with an accuracy of better than 1 second per day
- Temperature sensor is bimetallic
- Shows temperature and time/day of occurrence
- A tamper evident seal maintains the integrity of unit and results
- Recorded chart remains inside unit until seal is broken
- Four-part form on the front permits writing start-time, date, location, and other pertinent information
- The instrument, chart, four-part form, and Traceable™ Certificate are all marked with the same serial number
- Dimensions and Weight: 133 x 97 x 64mm, 284g
- Supplied with battery, chart paper, Traceable™ Certificate

Cat. No	Description
11709795	Traceable™ Disposable Temperature Strip-Chart Recorder, 10 Days
11719795	Traceable™ Disposable Temperature Strip-Chart Recorder, 40 Days

Traceable™ Big-Digit Memory Thermometer

View ambient and probe temperatures from 7m

- Dual display permits reading ambient and probe temperatures simultaneously, °C/°F switchable
- MIN/MAX memory readings may be displayed and reset at the touch of a key
- Cable and sensor perform accurately when underwater, always-on instrument reads temperature constantly
- Supplied with flip-open stand, wall mounting, battery, 3m cable, Velcro™, Traceable™ Certificate

Cat. No	External probe range	Ambient sensor range	Resolution	Accuracy
11759755	-50 to 70°C (-58 to 158°F)	-5 to 50°C (23 to 122°F)	0.1°	±1°C

Traceable™ Thermometers, Type K

Traceable™ Total-Range Thermometer

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

- Unit can recall minimum and maximum temperature readings captured during any time; updates display twice a second
- HI/LO Alarm: indicates when temperature rises above or falls below high/low set points, 1° increments, °C/°F switchable
- Timer feature displays duration of temperature conditions and time tests; capacity: 23 hours 59 minutes to 1 minute; resolution: 1 second
- Probe range (supplied) -40 to 250°C continuous or 300°C short-term; accepts all Type K thermocouples
- Supplied with flip-out stand, PVC casing, 1.2m Type K beaded probe, batteries, Traceable™ Certificate,

Cat. No	Meter Range	Resolution	Accuracy
11749765	-200 to 1,370°C (-328 to 2,498°F)	0.1° and 1°	±1°C between −50°C to 740°C, otherwise ±2°C

Traceable™ Waterproof Type K Thermometer

Rubber boot maintains waterproof integrity

- MIN/MAX key rapidly recalls highest and lowest temperature reading achieved
- Unique differential feature shows the difference in temperature from a set point
- Back-lighting key (BKLT) allows for reading in dark areas, large display is readable from 3m away
- Probe range (supplied with unit): -40 to 250°C continuous or 300°C short-term; uses all Type K thermocouples
- Supplied with carrying case, Traceable™ Certificate, battery, Type K beaded probe, cable

Cat. No	Meter Range	Resolution	Accuracy
11789765	-200 to 1,300°C (-328 to 2,372°F)	0.1° and 1°	±0.3% of reading + 1°C between −200°C to 1000°C, otherwise 0.5% of reading + 1°C

Traceable™ Thermometers, Infrared

Traceable™ Infrared Thermometer Gun

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

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

Cat. No	Range	Resolution	Accuracy	Field of view
11729785	-60 to 500°C (76 to 932°F)	0.1°	±2% of reading or ±2°C	11:1

Traceable™ Infrared Thermometer Gun

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

- Lightweight laser gun takes instant (less than a second) temperature readings of any surface
- Laser sighting beam
- Backlighting at the touch of a button
- Data hold (freezes display reading)
- Dimensions: 229mm x 102mm x 57mm
- Mass: 283.5g
- Supplied with 9V battery, low battery indicator, carrying case and Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Field of view
11779785	-50°C to 1,000°C (58°F to 1,832°F)	0.1° to 200, 1° over 200	±1.5% between -20°C to 200°C	50:1

Traceable™ Infrared Thermometer with Pocket Clip

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

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

Cat. No	Range	Resolution	Accuracy
11709785	-33 to 220°C (-27 to 428°F)	0.1°	±1°C +2%

Stuck, need help?

TechSupport

For further information on any of the featured products contact our Product Support team

Traceable™ Data Logging Thermometers

The Fisherbrand series of Traceable™ Temperature Data Loggers are widely used for a variety of purposes in a range of working environments such as general research laboratories, food processing, medical, agriculture and environmental. They provide an accurate and reliable record of temperature during operational processes to ensure that the best possible outputs and quality is achieved.

The majority of the Fisherbrand Traceable™ Data Loggers are armed with enough memory to store over a million temperature readings accompanied with the date and time they were recorded without any operator intervention. Accessories, which are included as standard, enable the Traceable™ Data-Logger to be placed on any wall or counter for continuous testing. If the Traceable™ Data Logger detects a reading out of the desired range, an alarm will sound and flash. Advanced Traceable™ Temperature Data Loggers also record the beginning, end, and duration of out-of-alarm ranges for even greater performance.

The Memory-Card Refrigerator/Freezer Thermometer (Cat. No 13557070 and 13587070, refer to page 31) is a new edition to the Fisherbrand series of Traceable™ Temperature Data Loggers. It is a stand-alone unit with data logging capabilities able to capture over 5.9 million readings and store them on a removable standard SD memory card. A memory card reader, which is supplied as standard, plugs into any USB computer port for an instant report which can be output as text to include date, time, and sensor readings or else sent to a spreadsheet or other database. Capturing a continuous stream of data with the Traceable range captures the behaviour of refrigerators, room areas, or very localised test conditions. Models supplied with bottle probes are ideal for use inside refrigerators, freezers, and incubators; the stainless-steel probe model is ideal for wider application especially in QC and research. Models also include internal probes to measure ambient temperature and humidity, ideal for monitoring store rooms, labs, and critical areas.

All Fisherbrand Traceable™ Data Logging Thermometers are individually certified ensuring that the thermometer has been properly calibrated to give trusted results. To guide you to choosing the right thermometer for your particular application refer to the selection guide below.

Selection Guide for Traceable Data Logging Thermometers

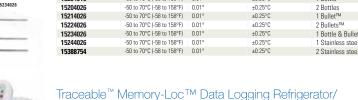| Cat. No	Page	Traceable™ Certificate supplied	Range	Resolution	Accuracy	Length probe	Length cable	Waterproof	Battery	Alarm	Display MIN/MAX
15294016	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15204026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15214026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	19mm	3m	Probe and cable	15348754	Yes	Yes
15224026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	19mm	3m	Probe and cable	15348754	Yes	Yes
15234026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15244026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	159mm	3m	Probe and cable	15348754	Yes	Yes
15388754	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	159mm	3m	Probe and cable	15348754	Yes	Yes
15264026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15274026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15284026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	19mm	3m	Probe and cable	15348754	Yes	Yes
15294026	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	19mm	3m	Probe and cable	15348754	Yes	Yes
15204036	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	63mm	3m	Probe and cable	15348754	Yes	Yes
15214036	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	159mm	3m	Probe and cable	15348754	Yes	Yes
15224036	30	Yes	-50 to 70°C (-58 to 158°F)	0.01	±0.25°C	159mm	3m	Probe and cable	15348754	Yes	Yes
15398754	30	Yes	-35 to 50°C (-31 to 122°F)	0.1	±0.2°C between 0 and 10°C, ±1°C elsewhere	N/A	N/A	Yes	CR2016 3V lithium coin cell	Yes	Yes
15318764	31	Yes	-29 to 72°C (-20 to 162°F)	0.1	±0.2°C between 0 and 10°C, ±0.5°C elsewhere	N/A	N/A	Yes	CR2450 3V lithium coin cell	Yes	Yes
15328764	31	Yes	-200 to 72°C (-328 to 162°F)	0.1	±0.2°C between 0 and 30°C, ±2°C elsewhere	109mm	0.5m	Yes	CR2473 3V lithium coin cell	Yes	Yes
13557070	31	Yes	-30 to 70°C (-22 to 158°F)	0.1	±0.6C	63mm	2m	Probe and cable	15358754	Yes	Yes
13587070	31	Yes	-30 to 70°C (-22 to 158°F)	0.1	±0.6C	25mm	2m	Probe and cable	15358754	yes	yes

Traceable™ Excursion-Trac™ Data Logging Refrigerator/Freezer Thermometer

Data-logging thermometers with user-defined time intervals

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

Cat. No	Range	Resolution	Accuracy	Probe
15294016	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bottle
15204026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Bottles
15214026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bullet™
15224026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Bullets™
15234026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bottle & Bullet™
15244026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Stainless steel
15388754	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Stainless steel

Traceable™ Memory-Loc™ Data Logging Refrigerator/Freezer Thermometers

Data-logging thermometers that can used in 21 CFR 11 environments

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

Cat. No	Range	Resolution	Accuracy	Probe
15264026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bottle
15274026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Bottles
15284026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bullet™
15294026	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Bullets™
15204036	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Bottle & Bullet™
15214036	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	1 Stainless steel
15224036	-50 to 70°C (-58 to 158°F)	0.01°	±0.25°C	2 Stainless steel

Traceable™ Logger-Trac™ Temperature Data Logger

Your ultimate shipping partner

- Small, compact temperature data-logger with a storage capacity of 7,680 readings
- Active LCD shows the following important data: current temperature, minimum and maximum temperatures, recording status, run time, cumulative alarm (excursion) time, quarantine status, alarm tally
- Displays cumulative alarm duration from user-selected minimum and maximum values
- Re-usable/re-programmable unit
- Integrates with MaxiThermal software for complete data analysis
- Perfect for monitoring temperature during transportation
- Supplied with battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy
15398754	-35 to 50°C (-31 to 122°F)	0.1°	± 0.2° C from 0 to 10°C, ±1 otherwise

Accessories

Cat. No	Description
15308764	Logger-Trac™ protective paper sleeves (100/pk)
15338764	Logger-Trac™ cradle/cable
15348764	MaxiThermal™ software

Traceable™ Logger-Trac™ RH/Temperature Data Logger

Record and download the humidity and temperature readings in any environment

- Humidity and temperature data-logger with a storage capacity of 30,720 readings
- Active LCD shows the following important data: current temperature, minimum and maximum temperatures, current humidity level, recording status, run time, cumulative alarm (excursion) time
- Immediately know the temperature and humidity excursion duration
- Re-usable/re-programmable unit with user-selectable recording intervals
- Integrates with MaxiThermal software for complete data analysis; software features include temperature alarm set points, temperature and humidity recording interval, start delay, stop enable key
- Perfect for monitoring temperature and humidity during transportation or in the laboratory environment
- Supplied with battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Humidity range	Resolution	Accuracy
15318764	-29 to 72°C (-20 to 161°F)	0.1°	±0.2°C from 0°C to 10°C, 0.5°C elsewhere	0 to 100% RH	0.1% RH	Accuracy: ±3% from 25 to 75% RH, ±5% elsewhere

Accessories

Cat. No	Description
15348764	MaxiThermal™ software
15358764	Logger-Trac™ USB cable

Traceable™ Logger-Trac™ LN2 Temperature Data Logger

External sensor is designed for -200°C environments in the lab or in transit

- Temperature data logger that has a storage capacity of 64,000 readings
- Active LCD shows the following important data when recording: current temperature, minimum and maximum temperatures, recording time
- Displays cumulative alarm duration from user-selected minimum and maximum values
- When alarm condition occurs, the following additional information will be displayed on the LCD, alarm tally, alarm notification and cumulative alarm time
- Unit has an internal sensor for ambient temperature and one external probe that is perfect for monitoring cryo-material in transit as well as reagents, clinical samples, frozen samples, pharmaceuticals and food items in any location
- Re-usable/re-programmable unit with user-selectable recording intervals
- Compact size and IP66 waterproof rating
- Integrates with MaxiThermal software for complete data analysis; software features include temperature alarm set points, temperature recording interval, start delay, stop enable key
- Supplied with battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Resolution	Accuracy
15328764	for internal sensor -29 to 72°C (-20 to 162°F) for external sensor -200 to 72°C (-328 to 162°F)	0.1° for internal sensor	±0.2°C from 2°C to 10°C, 2°C elsewhere for internal sensor	0.1° for internal sensor	±0.2°C from 0°C to 30°C, 2°C elsewhere for internal sensor

Accessories

Cat. No	Description
15348764	MaxiThermal™ software
15358764	Logger-Trac™ USB cable

Traceable™ Memory-Card Refrigerator/Freezer Data Logging Thermometer

Temperature and humidity data logger with Min/Max memory and High/Low alarms

- User-defined temperature observations can be made once per minute up to once every 720 minutes
- Thermometer captures 5.9 million readings on removable SD card
- USB memory card reader plugs directly into Windows and Mac - no software to install
- Text report includes date/time of day and sensor readings
- Alarm sounds and LED flashes when temperature rises above or falls below user-set trip points
- Supplied with 256Mb SD memory card, memory card reader, batteries, magnetic strips, Velcro™, flip open stand, adaptor, Traceable™ Certificate

Cat. No	Probe range	Resolution	Accuracy	Probe
13557070	-30 to 70°C (22 to 158°F)	0.1°	±5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C; ±1.2°C from -30°C to 0°C; and 50 to 70°C	Bottle (patented)
13587070	-30 to 70°C (22 to 158°F)	0.1°	±5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C; ±1.2°C from -30°C to 0°C; and 50 to 70°C	Stainless steel

13557070   13587070

TRACEABLE™ HUMIDITY METERS AND BAROMETERS

Traceable™ Humidity Meters

For accurate results across all humidity ranges, you can rely on the comprehensive range of Fisherbrand Traceable™ Humidity Meters to read, record, manage, and even print your results without delay. These meters are perfect for determination of exact air conditions in labs, hoods, clean rooms, coolers, stockrooms, food storage, process control, incubators, environmental chambers, chemical storage areas, and inside/outside atmospheric monitoring.

Accessories, which are included as standard, allow the Traceable™ Humidity Meters to be placed securely in any location with wall mounts, bench stands, magnetic strips, or Velcro™ for continuous monitoring. Best of all, many of the Traceable™ Humidity Meters have amazing capabilities like minimum and maximum memory, alert alarms when the environment is out of range, and the ability to transfer the results directly to a laptop or PC for easy viewing and sharing.

To ensure accuracy, an individually serial-numbered Traceable™ Certificate from an ISO 17025 calibration laboratory accredited by A2LA is provided for this range of Fisherbrand Traceable™ Humidity Meters. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

To guide you to choosing the right Traceable™ Humidity Meter for your particular application, please refer to the selection guide below.

Selection Guide for Traceable Humidity Meters

Cat. No.	Page	Traceable™ Certificate supplied	Relative humidity range	Resolution	Accuracy	Temperature range	Resolution	Accuracy	Battery	Features
15214016	33	Yes	0 to 90% RH	0.1% RH	±5% RH	0 to 50°C	0.1°	±1°C	15318754	Data-logger with memory card
11765843	33	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	15348754	Dual min/max memories
11724196	33	Yes	1 to 99% RH	0.1% RH	±4% RH	-40 to 70°C	0.1°	±1°C	15348754	Dew point and wet-bulb monitor
11725843	33	Yes	20 to 90% RH	1% RH	±5% RH	0 to 50°C	0.1°	±1°C	15348754	View time, temp and humidity
15264006	34	Yes	1 to 99% RH	1% RH	±3% RH	-10 to 60°C	1°	±1°C	15348754	RH alarm and reads dew point
11755843	34	Yes	5 to 95% RH	0.01% RH	±1.5% RH	-40 to 104°C	0.01°	±0.4°C	15318754	Response time of 10 seconds
11745843	34	Yes	10 to 95% RH	0.01% RH	±1.5% RH	-40 to 104°C	0.01°	±0.4°C	15318754	Also reads dew point
11597443	34	Yes	10 to 95% RH	0.1%RH	±2% RH	-18 to 93°C	0.1°	±1°C	15318754	Computer output
11536973	35	Yes	10 to 95% RH	0.1%RH	±2% RH	-50 to 70°C	1°	±1°C	15348754	Jumbo digits
11714196	35	Yes	20 to 99% RH	1% RH	±5% RH	-50.0 to 70°C	0.1°	±1°C	15348754	Remote humidity sensor
11739835	35	Yes	10 to 95% RH	0.1%RH	±3% RH mid-range, ±5% RH elsewhere	-20 to 60°C for T1 -200 to 1,333°C for T2	0.1° for T1 0.1°C for T2 from -200 to 999.9°C, elsewhere 1°	±1°C for T1 ±2% of reading plus 1.8°C for T2	15348754	Print out readings
11782146	35	Yes	0 to 100% RH	10%RH	±5% RH	N/A	N/A	N/A	N/A	Humidity card

Traceable™ Humidity Meters, Data Logger

Traceable™ Memory Card Humidity/Temperature/Dew Point Data Logger

Records readings from once a minute up to once every 720 minutes on an SD memory card

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

Cat. No	Range	Resolution	Accuracy	Dew Point
15214016	Humidity: 0 to 90% RH	0.1%	±5% RH at 25°C between 20 to 85% RH; ±7% RH elsewhere	-20.0 to 50.0°C with 0.1° resolution
	Temperature: 0 to 50°C (32 to 122°F)	0.1°	±1°C	

Traceable™ Humidity Meters, Internal Sensors

Traceable™ Digital Humidity/Temperature Meter

Continuously and simultaneously displays RH and temperature with dual-recall memories

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

Cat. No	Range	Resolution	Accuracy	Features
11765843	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	
	Temperature: 0 to 50°C (32 to 122°F)	1°	±1°C	MIN/MAX memory

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

Settable high/low alarms for all four readings

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

Cat. No	Range	Resolution	Accuracy
11724196	Humidity: 1 to 99% RH	0.1%	±4% between 20 to 80% RH
	Temperature: -40 to 70°C (-40 to 158°F)	0.1° below 100°	±1°C

Traceable™ Thermometer/Clock/Humidity Monitor

Simultaneously displays time of day, temperature and humidity

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

Cat. No	Range	Resolution	Accuracy	Size/Weight
11725843	Time: 12/24 hours	1 minute	0.01%	108mm x 57mm x 6mm 71g
	Temp: 0 to 50°C (32 to 122°F)	0.1°	±1°C	
	Humidity: 20 to 90% RH	1%	±5% RH midrange otherwise ±8% RH	

Traceable™ Digital Humidity/Temperature/Dew Point Meter

Convenient triple memories recall Min/Max readouts for RH, dew point, and temperature

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

Cat. No	Range	Resolution	Accuracy	Dew point
15264006	Humidity: 1 to 99% RH	0.1%	±3% mid-range, ±5% elsewhere	
	Ambient Temperature: -10 to 60°C (14 to 140°F)	0.1°	±1°C	-10 to 60°C (14 to 140°F)

Traceable™ Humidity Meters, Probe Sensors

Traceable™ Humidity/Temperature/Dew Point Meter

Resolution of 0.01% relative humidity - ideal for QC labs, ISO 9000 environments and general R&D

- Ideal for hoods, clean rooms, food storage, process control, incubators, desiccators, drug manufacturing, environmental chambers, corrosion analysis, inside/outside air monitoring
- Fulfills federal CLIA requirements
- Memory recalls minimum and maximum readings at any time, °C/°F switchable
- High and low alarms can be programmed for dew point, temperature and humidity
- Computer output permits data to be captured, transferred, stored and printed with DAS software
- Under 10 second response time
- Probe: 178mm length x 10mm diameter; cable: 1.8m
- Supplied with computer output, battery, Traceable™ Certificate

Cat. No	Range	Response time	Resolution	Accuracy	Probe
11755843	Humidity: 5 to 95% RH	10 seconds	0.01% RH	±1.5% RH	Stainless steel: 178mm length x 10mm diameter; 1.8m
	Temperature: -40 to 104°C (-40 to 220°F)	-	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: -40 to 60°C (-40 to 140°F)	-	0.01°	-	
11745843	Humidity: 10 to 95% RH	30 seconds	0.01% RH	±1.5% RH	Epoxy: 178mm length x 10mm diameter; 1.8m
	Temperature: -40 to 104°C (-40 to 220°F)	-	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: -40 to 60°C (-40 to 140°F)	-	0.01°	-	

Cat. No	Description
Accessories	
11704286	Data acquisition system
11794276	Universal wireless radio-signal transceivers
15368764	AC adaptor, international

Traceable™ Memory Hygrometer/Thermometer

High-accuracy unit with broad temperature range is ideal for all lab environments

- Microprocessor-based based design provides unparalleled accuracy
- Simultaneously displays both temperature and relative humidity on dual 29mm LCD
- 1m cable allows user to retrieve readings from hard to reach areas
- Supplied with probe, cable, battery, carrying case, Traceable™ Certificate

Cat. No	Humidity range	Temperature range
11597443	10 to 95% RH with 0.1% resolution ±2% accuracy mid-range, ±4% elsewhere	-18 to 93°C with 0.1°C resolution and ±1°C between 0 and 40°C, ±2°C elsewhere

Traceable™ Jumbo Humidity/Temperature Meter

Jumbo 25mm digits display humidity, temperature - read from 10m away

- Simultaneously displays ambient relative humidity and internal probe and external probe temperatures °C/°F with dual-recall memories
- Both sensor and 3m cable perform accurately when under water
- Fulfills CLIA specification 493.1207
- Response time is less than 30 seconds
- Supplied with flip-open stand, wall mount, battery, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy
11536973	Ambient humidity: 10 to 95% RH	1 minute	±2% RH mid-range to ±4% RH elsewhere
	Ambient sensor temperature: 0 to 50°C (32 to 122°F)	0.1°	±1°C
	Probe temperature: -50 to 70°C	1%	±1°C

Traceable™ Remote Alarm RH and Temperature Monitor

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

- Remote humidity/temperature sensor on a 2m cable
- Hi/Lo Alarms, Min/Max memories
- High/low alarm feature may be set by user in 1% RH or 1° increments
- Perfect for use in hoods, classrooms, stockrooms, environmental chambers and chemical storage areas
- Supplied with battery, external humidity/temperature sensor, flip-open stand, wall-mount, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy
11714196	Humidity: 20 to 99% RH	1%	±5% RH midrange
	Ambient sensor temperature: 0 to 50°C (32 to 122°F)	0.1°	±1°C
	Temperature: -50 to 70°C (-58 to 158°F)	1°	±1°C

Traceable™ Humidity Meters, Speciality

Traceable™ Printing Hygrometer/Thermometer

Printing Hygrometer/Thermometer provides permanent hard-copy results

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

Cat. No	Range	Resolution	Accuracy	Probe
11739835	Humidity: 10 to 95%	0.1% RH	±1 3% mid-range to 5% elsewhere ±1 °C	Probe: 19mm diameter x 159mm, 1.2m cable
	T1 Temperature: -20 to 60°C (-4 to 140°F)	0.1°		Type K: 1.5mm diameter, 1.2m cable
	T2 Temperature: -200 to 1,333°C (-328 to 2,431°F)	0.1°C (from -328 to 999.9°F), elsewhere 1°		

Traceable™ Humidity-on-a-Card™

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

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

Cat. No	Range	Resolution	Accuracy	Size	Pack qty
11782146	Humidity: 0 to 100% RH	10% RH	±5% RH at 24°C (75°F)	100mm x 100mm	6

Traceable™ Barometers

Barometers are ideal for recording ambient changes in the lab, monitoring conditions affecting sample analysis and assisting in the prediction of weather changes.

The Traceable™ Hygrometer/Thermometer/Barometer/Dew Point Pen (Cat. No 11745853, refer to page 36) is a versatile and lightweight unit capable of measuring humidity, temperature, barometric pressure and dew point. It features a tough ABS plastic housing and water-resistant design with O-ring seal and membrane keypad to ensure a long life in severe lab or harsh plant environments.

The Traceable™ Workstation Barometer with Clock (Cat. No 15273966 refer to page 36) measures barometric pressure and graphically displays the barometric trend. It also displays temperature with forecasting indicators showing weather conditions for the next 12-hours and time of day/date.

To ensure accuracy, an individually serial-numbered Traceable™ Certificate from an ISO 17025 calibration laboratory accredited by A2LA is provided for this range of Fisherbrand Traceable™ Humidity Meters and Barometers. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable™ Hygrometer/Thermometer/Barometer/Dew Point Pen

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

- User selectable dual display shows humidity/temperature, humidity/dew point, barometric pressure/temperature or barometric pressure/humidity
- Portable - easy operation
- MIN/MAX readings recalled at the press of a key
- Supplied with metal clip, battery, Traceable™ Certificate

Cat. No	Function	Range	Resolution	Accuracy
11745853	Barometric pressure	10.0 to 1,100 mbar (hPa); 7.5 to 825.0mmHg; 0.29 to 32.48inHg	0.1 and 1mbar (hPa); 0.1mmHg; 0.01inHg	±4 hPa between 550 to 1,100 hPa
	Humidity	10 to 95% RH	0.1%	±3% RH mid-range to ±4% RH elsewhere
	Thermometer	0 to 50°C	0.1°C	±1°C
	Dew Point	-25.3 to 48.9°C	0.1°	±1°C

Traceable™ Workstation Barometer with Clock

Ideal weather watcher and trend setter

- Ideal for recording ambient changes in lab, monitoring conditions affecting sample analysis, and assisting in prediction of weather changes
- Unit includes a barometer, thermometer, clock, altitude adjustment, and weather symbol forecasting symbols
- Adjustable altitude compensation from -300 to 1,200 metres
- Barometric trend shows current reading, previous 1, 3, 6, and 12 hour readings in bar chart format
- Supplied with batteries, Traceable™ Certificate

Cat. No	Function	Range	Resolution	Accuracy
15273966	Barometric pressure	23.62 to 31inHg 800 to 1,050mbar (hPa)	0.063 inHg 1 mbar	±6mb (890 to 1020mb); otherwise ±10mb
	Temperature	-9 to 70°C (-22 to 158°F)	0.5°	±1°C (32 to 104°F and 0 to 40°C) ±2°C elsewhere

TRACEABLE™ CONDUCTIVITY METERS AND PH STANDARDS

Traceable™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards. CRM Standards are highly accurate and offer the assurance that they are the best standards on the market. All versions of these products are available in both 16 ounce bottles, as well as One-Shot packaging – which is convenient for single-use. This packaging option eliminates all concerns regarding external container contamination. Every bottle comes with a Traceable™ certificate, indicating traceability to standards provided by NIST.

Traceable™ Conductivity Standards (CRM)

Traceable™ Conductivity Standards (CRM)

Highest accuracy available assuring reliable results

- 100% compatible with all conductivity meters
- Each bottle is labelled for calibrating conductivity, resistivity and dissolved solids
- Accuracy at 25°C is the uncertainty shown on the certificate or ±0.25 microsiemens for the 5 and 10 values and 0.25% for all other values
- Supplied with 16 ounce container, step-by-step calibration instructions, individual temperature compensation charts, traceability information, Traceable™ Certificate

Traceable™ One-Shot™ Conductivity Standards (CRM)

Calibration within disposable container eliminates contamination

- Traceable™ One-Shot™ Conductivity Standards (CRM)
- Calibration within disposable container eliminates contamination
- Certified Reference Material
- 100% compatible with all conductivity meters
- Accuracy: certificate stated uncertainty, or ±0.25 microsiemen or ±0.25%
- Supplied with six pack 100mL container, step-by-step calibration instructions, individual temperature compensation charts, traceability information, Traceable™ Certificate

11764246   **11744226**

Traceable™ Conductivity Standards, Certified Reference Material Accredited ISO Guide 34 (1750.02), ISO Guide 35, ISO Guide 31, ISO/IEC 17025 (1750.01)

Cat. No 16oz. bottle	Cat. No Individually Tested 16oz. bottle	Cat. No 16oz. 100mL One-Shot™ (six pack)	Microsiemens/Micromhos	Megohms	TDS/PPM
11734236	12399325	-	1	1	0.66
11724236	11714246	11714256	5	0.2	3.3
11744226	11764236	11764246	10	0.1	6.6
11754226	11774236	11774246	100	0.01	66
11764226	11784236	11784246	1,000	0.001	666
11714236	11724246	11754246	1,413	0.00071	933
11774226	11794236	11794246	10,000	0.0001	6,666
11784226	11704246	11704256	100,000	0.00001	66,666
11794226	11744236	11724256	150,000	0.000006	100,000
11704236	11754236	11734256	200,000	0.000005	133,333
-	-	11744246	Assortment (one each of above One-Shot™, except 11714256, 11724256, 11734256)		

Traceable™ pH Buffer Standards (CRM)

Traceable™ pH Buffer Standards (CRM)

The most accurate pH Standards available anywhere

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

Traceable™ pH Standards Certified Reference Material

Cat. No.	pH Value	Size
11744256	4.005	
11754256	7.000	**16oz. bottle**
11764256	10.012	
11774256	4.005	**100mL**
11784256	7.000	**One-Shot™**
11794256	10.012	**(six pack)**

11744256   11774256   11754256   11784256   11764256   11794256

Traceable™ Conductivity Meters

Traceable™ Bench Conductivity Meter

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

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

Cat. No	Measurement	Range	Accuracy
11764216	Micromhos (microsiemens)	0.01 to 20.00 0.1 to 200.0 1 to 2000 10 to 20000 100 to 200000	
	Megohms	0.001 to 2.000 0.01 to 20.00	±0.3% +1 digit
	Dissolved solids/ppm	0.1 to 200 1 to 200 10 to 2000 100 to 20000	

Cat. No	Description
Accessories	
11754216	Replacement conductivity probe - glass, K=1; Probe range: 0.05 to 200,000 micromhos
11744216	Accessory conductivity probe - unbreakable epoxy, K=1; probe range: 1.0 to 200,000 micromhos

Traceable™ Expanded Range Conductivity Meter

Accurate answers in five seconds

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

Cat. No	Measurement	Range	Accuracy
11784216	Conductivity	0.00 to 19.99 microsiemens; 0.0 to 199.9 microsiemens; 0 to 1999 microsiemens; 0 to 19.99 millisiemens; 0 to 199.9 millisiemens	
	Dissolved Solids	0.00 to 9.99ppm; 0.0 to 99.9ppm; 0 to 999ppm; 0 to 9.99ppt; 0 to 99.9ppt	±1.0% +1 digit

Traceable™ Conductivity/TDS/Salinity Pens

Traceable™ Conductivity/TDS/Salinity Pens

Easiest unit ever designed for routine analysis and quality control

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

Cat. No	11714226	11724226	11734226
Conductivity range	0 to 1999 microsiemens; 0 to 19.99 millisiemens	0 to 1999 microsiemens; 0 to 19.99 millisiemens	–
Dissolved solid range	–	0 to 1999ppm; 0 to 19.99ppt	–
Salinity range (NaCL)	–	–	0.00 to 10.00ppt; 10.1 to 70.0ppt
Resolution	1 microsiemen	1 microsiemen/1ppm	0.01ppt
Accuracy	±1% full scale + 1 digit	±1% full scale + 1 digit	±2% full scale + 1 digit
Temperature range	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F	0.0 to 50.0°C/32.0 to 122.0°F
Temperature resolution	0.1°	0.1°	0.1°
Temperature accuracy	±0.5°	±0.5°	±0.5°
Settable temp. coefficient	0.0 to 4.0% per °C	0.0 to 4.0% per °C	–
Automatic temp. compensation	20 and 25°	20° and 25°	25°
Total dissolved solids factor	–	0.4 to 1.00	–
Use with calibration standards	400 microsiemens to 19.99 millisiemens	400 microsiemens to 19.99 millisiemens; 400ppm to 19.99ppt	0.20 to 7.00%

TRACEABLE™ LAB TOOLS

Fisherbrand range of Traceable™ Lab Tools includes Traceable™ Digital Calipers, Traceable™ SpatulaBalance™ and Traceable™ Manometer/Pressure/Vacuum Gauges.
As with all the Fisherbrand Traceable™ products these three products are supplied with a Traceable™ Certificate indicating traceability to standards provided by NIST.

Further lab tools are featured within the 'Fisherbrand Supplement' Section (refer to pages 46 to 73) and include useful products such as: Counter-Pen and tally counters, which are ideal for counting cells and samples; Desi-Vac™ Vacuum Pump Containers used for storing chemicals, powders, sample tissues and plant section; Labtool II™ a stainless steel, pocket size lab tool featuring fourteen tools in one; permanent markers pens which write on all surfaces including glass, film, wood, plastic, metal, rubber and porcelain.

Traceable™ Digital Calipers

Ideal for measuring inside diameter, outside diameter and depth

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

Cat. No	11783217	11727927	11777105	11787105
Material	Stainless steel		Carbon fibre	
Measuring range	150mm	200mm	100mm	150mm
Resolution	0.01mm		0.1mm	
Accuracy	±0.03mm		±0.2mm	
Depth Bar	Yes		No	
Thumb roller/Lock screw	Yes		No	
Non-metallic/non-conductive	No		Yes	
Dimensions	229 x 76mm	280 x 76mm	178 x 63mm	241 x 76mm
Weight	142g	170g	28g	57g
Accessories				
Cat. No	Description			
15338754	replacement battery			

Traceable™ SpatulaBalance™

Unique spatula both scoops material and displays weight

- Three position soft touch keys in the handle tares (sets to zero), holds (freezes display) and changes grams to ounces
- Scoop detaches from balance for dishwasher safe cleaning
- LCD indicates low battery
- Markings on see-through scoop that comes as standard with the SpatulaBalance™ (Cat.No 15388764) are graduated from 5 to 30mL in 5mL increments for weighing liquids with ease
- Markings on see-through larger volume scoop (Cat. No 15398764) are graduated at 20 and 40mL
- Supplied with batteries, detachable scoop, Traceable™ Certificate

Cat. No	Range	Resolution	Accuracy	Scoop capacity
11744416	0 to 300g (0 to 10.580oz.)	0.1g (0.005oz.)	±0.2g or ±0.25%	30mL
Accessories				
Cat. No	Description			
15388764	30mL replacement scoop (graduated from 5mL to 30mL in 5mL increments)			
15398764	Large, 40mL scoop (graduated at 20mL and 40mL)			

Traceable™ Manometer/Pressure/Vacuum Gauges

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

- Portable unit measures and displays differential pressure/vacuum in eleven different units: psi, mbar, bar, cm/H_2O, $inch/H_2O$, $feet/H_2O$, mm/Hg, inch/Hg, kg/cm², oz/inch², kPa
- At the touch of a key, unit may be zeroed or any pressure may be set to zero
- Hose fittings on the unit permit hose/tubing with inside diameters from 1.6mm to 4.8mm
- Memory feature recalls highest and lowest readings over any time period
- A DATA HOLD key freezes the display to capture readings
- Count-up timer displays up to 99 hours, 59 minutes, 59 seconds
- Accuracy is ±0.3% of full scale between 0 and 50°C
- Dimensions (l x w x h) and weight are 70mm x 28.6mm x 181mm and 142g
- Supplied with computer output, hose/tubing, batteries carrying case, Traceable™ Certificate

Cat. No	Description	Pack qty
11764206	Traceable™ Manometer/Pressure/Vacuum Gauges	1

TECHNICAL RESOURCES

Here to give you a helping hand!

Fisher Scientific's Product Support Team is your dedicated information resource. Our Product Support Advisors are all highly qualified professionals who are here to support and guide you to the fastest, most effective and efficient answer to your enquiry.

Areas of technical expertise include:

- Bioreagents and Life Science
- Chemicals and Chromatography
- Consumables
- Equipment
- Safety

This section lists some of the most frequently asked questions about electrochemistry and pH measurement as received by our Specialists, together with the answers they provided. If you are unable to find the answer to your question, are stuck and need help or are simply confused and unsure of which product best suits your research needs, the Product Support Team are here and ready to respond to your enquiries.

Have a question?

Stuck, need help?

Confused?

Contact our Product Support Advisors

Tel: 01509 555 888
Email: fisheruk.productsupport@thermofisher.com

Tel: 01 885 5854
Email: fsie.sales@thermofisher.com

FAQ's – Traceable™ Products

Q. What is Traceable™ ?
A. In the context of measurement science, traceability that the result of a measurement can be traced back to a national authority such as the National Institute of Standards and Technology (NIST), a United States Government Agency within the Commerce Department. Specifically there exist a known valid relationship to international or nationally recognised standards and a thoroughly documented unbroken chain of reference to the measurement authority. The ISO 17025 calibration certificate that comes as standard with the units is recognised in all European countries.

Q. Why should I purchase Traceable™ products?
A. Each Traceable™ unit is individually serialised, calibrated and certified. An individually serialised Traceable™ Calibration Certificate provides assurance that an independent auditor has checked the methods, procedures, testing, technique, and record-keeping practices of the calibration testing laboratory. The American Association for Laboratory Accreditation (A2LA) is widely recognised internationally through bilateral and multilateral agreements and through its participation in International Laboratory Accreditation (ILAC) and Multilateral Recognition Agreement (MRA). There is no need to have the units calibrated locally before use as all European governing bodies fully accept and recognise the Traceable™ certificate of calibration.

Q. How long are the Traceable™ calibration certificates valid for?
A. Units are calibrated for two years from date of manufacture. Generally, following shipping and stocking of the units, we would advise that you should expect a minimum of one year.

Q. What does accuracy mean?
A. Accuracy is a definition of how accurate the instrument is compared with a known temperature. Since it is very unlikely that anything will be exactly accurate, it is usually accompanied by a reference to a tolerance. The tolerance indicates the value of inaccuracy that is inherent in the instrument. For example, an instrument that has an accuracy rating of ±1°C means that the unit's display can show up to 1°C higher or 1°C lower than the actual temperature that is being measured and still be within the stated tolerance and accuracy of the unit.

Q. What does resolution mean?
A. The resolution of an instrument is the smallest value that is shown on the display. Thus an instrument that has a 0.1°C resolution means that it will read to the nearest 0.1°C (perhaps 8.6°C) on the display, whereas an instrument with a 1°C resolution will only read to the nearest 1°C (9°C).

Q. If I replace the battery on my Traceable™ Timer do I need to recalibrate it?
A. None of the Fisherbrand Traceable™ products need to be recalibrated or recertified due to a battery change. These units are traceable back to NIST standards and the ISO 17025 calibration certificate that comes as standard with the units is recognised in all European countries.

Q. Can you replace the scoop on the Traceable™ SpatulaBalance™?
A. Yes replacement scoops are available, Fisher Scientific Cat. No. 15388764. This is the standard replacement scoop, 30mL. There is also a larger replacement scoop available which is 40mL, Fisher Scientific Cat. No 15398764.

Q. When it states 'shows MIN/MAX' when referring to thermometers, what does this mean? Also, what does HI/LO and IN/OUT mean?
A. Min/Max are the temperature readings at the lowest range (minimum) achieved and the highest range (maximum) reached since the thermometer's memory was last cleared; the Min/Max is NOT a settable feature. On several units, you can program HI and LO alarms so that if the temperature of what you are measuring goes outside of your pre-set values, the unit will alarm. Several thermometers also feature IN/OUT readings. The IN and OUT temperatures refer to different sensors, the IN is the internal sensor located inside the unit and the external probe is referred to as OUT.

Q. What is the function of the bottle/vaccine thermometer probe?
A. Bottle probes are useful for use in refrigerators where the door is likely to be opened on a regular basis. The probe sealed within the bottle gives an indication of the temperature of the product within the refrigerator itself rather than the air temperature, which would be affected quite quickly by the door being opened. The vaccine probe uses a similar concept, but is of similar dimensions to most vaccine bottles. This helps to give an accurate determination of the temperature of the vaccine being stored.

Q. Bottle sealed probes are used with a number of Traceable™ thermometers. What are these bottles filled with?
A. Bottle probes are filled with non-toxic glycol solution, which is GRAS (generally recognised as safe) by the US FDA.

Q. My application requires high accuracy, which product should I go for?
A. The various 'Ultra' products in the Traceable™ range are calibrated with an accuracy of 0.4°C at tested calibration points. 'Extreme accuracy' units are also available. These are calibrated with an accuracy of ±0.05 within 2°C of tested points. These are available for the commonly tested points of 0°C, 25°C and 37°C. Additionally, the Platinum High-Accuracy thermometers have an accuracy of ±0.1°C across the entire temperature range.

Q. My thermometer is giving erratic readings, what could be going wrong?
A. Erratic readings, a faint display, or no display are all indicators that the batteries must be replaced. In most cases, simply changing the battery will allow the unit to begin functioning normally.

Q. I have two units that are showing different temperatures. Is there something wrong with my units?
A. When comparing two thermometers, you must add the tolerances of the two units together to identify the total amount of variance that can be found within the two units and still be considered within specification. For example, when comparing two of the same unit that have a ±0.1°C accuracy, the two units can display temperatures that are up to 2°C different. When comparing temperatures of difference thermometers it is important that the type of probes that you are comparing are equivalent.

FISHER CHEMICAL AND FISHER BIOREAGENTS

In addition to the range of Fisherbrand Traceable™ Products featured in the first section of this brochure (pages 8 to 43), Fisher Scientific is also your partner of choice for chemicals and bioreagents. Fisher Chemical and Fisher Bioreagents deliver convenience, quality and consistency and are the leading provider of chemicals and bioreagents to many research sectors such as academia, pharmaceuticals, biotechnology and healthcare.

The two selection guides below provide an overview of the main solvents and various water products used in every day laboratory research.

Fisher Chemical Solvents Selection Guide

Solvent	Quantity	Packaging	HPLC grade	HPLC gradient grade	Advanced HPLC grade	UHPLC gradient grade	LC/MS	Optima LC/MS
Acetonitrile GHS : Flam. Liq.2, Acute Tox.4, Eye Irrit.2	500mL	Glass bottle	-	-	-	-	-	10055454
	1L	Glass bottle	10754361	10794741	-	-	10799704	10489553
	1L	Plastic coated glass bottle	-	-	10398233	11317080	-	-
	2.5L	Glass bottle	10407440	10660131	-	-	10616653	10001334
	2.5L	Plastic coated glass bottle	10010010	10630131	10629112	11373230	-	-
	4L	Glass bottle	-	-	-	-	-	-
	5L	Glass bottle	10181460	10500911	-	-	-	-
Methanol GHS : Flam. Liq.2, Acute Tox.3, STOT SE 1	500mL	Glass bottle	-	-	-	-	-	10636545
	1L	Glass bottle	10365710	10010280	-	-	10532213	10031094
	1L	Plastic coated glass bottle	-	-	10144953	11357080	-	-
	2.5L	Glass bottle	10675112	10499560	-	-	10653963	10767665
	2.5L	Plastic coated glass bottle	10674922	10000280	10670263	11313240	-	-
	4L	Glass bottle	-	-	-	-	-	-
	5L	Glass bottle	-	10487322	-	-	-	-
Water	500mL	Glass bottle	-	-	-	-	-	10095164*
	1L	Glass bottle	10367171	10367171	-	-	10434902	10728098*
	1L	Plastic coated glass bottle	-	-	10327873	11307090	-	-
	2.5L	Glass bottle	10449380	10449380	-	-	10777404	10505904*
	2.5L	Plastic coated glass bottle	10257243	10257243	10221712	11357090	-	-
	4L	Glass bottle	-	-	-	-	-	-
	5L	Glass bottle	-	-	-	-	-	-
Filtered to:			0.2µm	0.2µm	0.2µm	0.1µm	0.2µm	0.1µm * 0.03µm

Bioreagents Water Selection Guide

Cat. No	Description	Quantity/ packaging	DEPC treated	Sterile (autoclave)	0.2µm filtered	0.1µm filtered	Dionised for low metal ion content	DNase not detected	RNase not detected	Protease not detected	DNA work	RNA work	Protein work	Routine life science research*
10091543	Water, Biotech grade	4L PolyPac			•									•
10448153		20L PolyPac												
10192813	Water, sterile DNA grade	1L Poly bottle		•	•			•		•	•		•	
10245203	Water, sterile For RNA work, DEPC-treated and nuclease free	1L Poly bottle	•	•	•			•	•				•	
10295243	Water, sterile, DEPC-treated and nuclease free	50mL Poly bottle	•	•	•			•	•				•	
10336503		100mL Poly bottle												
10490025		100mL Poly bottle												
10505854	Water, Molecular Biology grade	1L Poly bottle			•	•		•	•		•	•	•	
10154604		4L PolyPac												
10318354		10L PolyPac												
10517554		20L PolyPac												

*Buffers, wash and rinse solutions, etc.

For up to date GHS information on Fisher Chemical or Fisher Bioreagents products listed please refer to the safety data sheet available from www.eu.fishersci.com
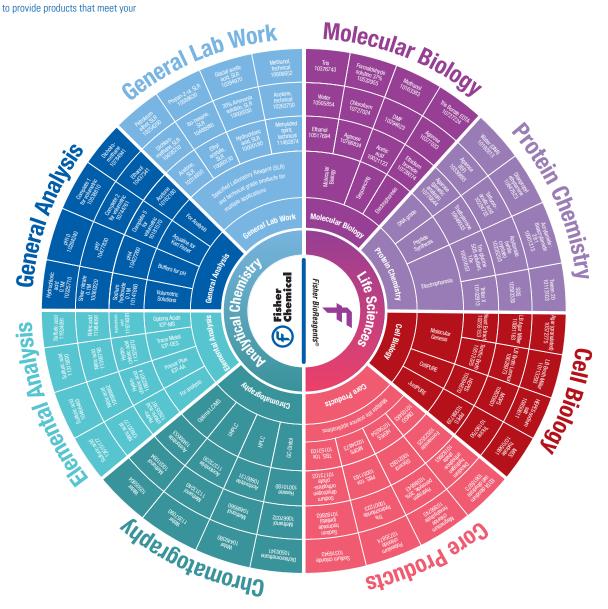
FOCUS ON FISHER CHEMICAL AND FISHER BIOREAGENTS

Depend of Fisher Chemical and Fisher Bioreagents to provide products that meet your every day analytical and life sciences needs.

Fisher Chemical

Fisher Chemical offers more than 4,000 products dedicated to four main analytical applications:

- Chromatography
- Elemental Analysis
- General Analysis
- General Lab Work

Within each application area the main chemical grades are featured along with the most popular product and pack size. For further information on the complete ranges available visit
www.eu.fishersci.com

Fisher BioReagents®

Fisher Bioregents offer over 1,000 products dedicated to four key application areas:

- Molecular Biology
- Protein Chemistry
- Cell Biology
- Core Bioreagents

Within each application area the main techniques/grades are featured along with the most popular bioreagent and pack size. For further information on the complete ranges available visit
www.eu.fishersci.com

For up to date GHS information on Fisher Chemical or Fisher Bioreagents products listed please refer to the safety data sheet available from www.eu.fishersci.com

For up to date GHS information on Fisher Chemical or Fisher Bioreagents products listed please refer to the safety data sheet available from www.eu.fishersci.com

This section features additional Fisherbrand products to supplement your everyday laboratory needs. Whilst these products are not part of the Traceable™ range, they continue to demonstrate that Fisherbrand is committed to delivering you the broadest selection of quality, affordable and innovative products.

EQUIPMENT

NEW

Bag sealer with cutter

- Seals polyethylene or polypropylene bags, sheets or flat tubing 0.01mm to 0.8mm thick
- Timing knob ensures safe sealing, heating element only hot when sealing
- Sliding blade removes excess material
- Includes extra blades, heating elements, PTFE cloths

Cat. No	Description	Pack qty
15350360	Heat Sealer with cutter, UK plug	1
15360360	Heat sealer with cutter, EU plug	1

NEW

Balances, Compact series

Rugged housing design provides best overall overload protection and durability in its class. Uniquely designed for a wide variety of applications, these balances feature easy operation, long battery life and great performance.

- Sleek, low profile design
- Large, high contrast LCD
- Energy saving auto shut-off feature
- Two button keypad
- Storage made easy with a stackable design
- Integrated load cell lock
- Over-load and under-load indicators
- Digital calibration from keypad
- Low battery indicator
- Three AA batteries (included) or optional a.c. adapter
- Two year warranty

Cat. No	Capacity	Readability	Linearity	Repeatability	Weighing modes	Pan shape	Dimensions, mm (w x d x h)	Stabilisation time	Platform size	Calibration
15305103	200g	0.1g	0.1g	0.1g	Weighing	Round	140 x 200 x 40	3secs	120mm dia.	External
15315103	500g	0.1g	0.1g	0.1g	Weighing	Round	140 x 200 x 40	3secs	120mm dia.	External
15325103	2,000g	1.0g	1.0g	1.0g	Weighing	Round	140 x 200 x 40	3secs	120mm dia.	External
15335103	5,000g	1.0g	1.0g	1.0g	Weighing	Round	140 x 200 x 40	3secs	120mm dia.	External

Accessories

Cat. No	Description
11782148	Power adapter (universal plug set 11792148 also required)
11792148	Universal plug set
15360684	Stainless steel pan cover
15370684	Hard shell carrying case
10679092	Bowl container, 1,050mL

NEW

Balances, Portable series

Fisher Scientific's best selling portable balance, featuring easy to use two button operation, high contrast LCD display, multiple weighing units and the option of either RS232 or USB connectivity.

- Excellent shock resistance and overload protection
- 50 hour battery life with auto shut-off
- Shipping and calibration locks
- Integral weigh-below hook, critical for density or specific gravity determination
- Optional RS232 or USB snap-in module allows data connection to PC or printer
- Two year warranty
- Large, high contrast LCD
- Two button operation
- a.c. adapter (included) or requires four AA batteries (not included)

Cat. No	Capacity	Readability	Linearity	Repeatability	Weighing modes	Pan shape	Dimensions, mm (w x d x h)	Stabilisation time	Platform size	Compliance	Communication interface	Calibration
15365103	120g	0.001g	0.003g	0.003g	Parts counting, percentage weighing, totalisation, display hold	Round	192 x 210 x 54	3secs	120mm dia.	GLP with optional printer	Optional USB or RS232	External
15345103	400g	0.01g	0.01g	0.01g	Parts counting, percentage weighing, totalisation, display hold	Round	192 x 210 x 54	3secs	120mm dia.	GLP with optional printer	Optional USB or RS232	External
15355103	600g	0.01g	0.02g	0.01g	Parts counting, percentage weighing, totalisation, display hold	Round	192 x 210 x 54	3secs	120mm dia.	GLP with optional printer	Optional USB or RS232	External
15375103	2,000g	0.1g	0.1g	0.1g	Parts counting, percentage weighing, totalisation, display hold	Square	192 x 210 x 54	3secs	165mm x 142mm	GLP with optional printer	Optional USB or RS232	External
15385103	6,000g	0.1g	0.2g	0.1g	Parts counting, percentage weighing, totalisation, display hold	Square	192 x 210 x 54	3secs	165mm x 142mm	GLP with optional printer	Ooptional USB or RS232	External

Accessories

Cat. No	Description	Cat. No	Description
11860871	Density kit	13445129	Impact printer for Portable, Analytical, Precision and Moisture Series
12632613	In use cover	15357904	Impact printer cable adapter for Portable Series (requires: 11742158 - RS232 interface with cable)
10591982	Anti-theft device		
10382992	Hard shell carrying case	15367904	Impact printer paper rotary axis
11742158	RS232 interface with cable	10656704	Impact printer paper roll (57.5mm pack of 2)
11752158	USB kit	15276939	Impact printer ink ribbon cassette

NEW

Balances, Analytical series

The easy to clean draft shield, upfront level indicator and selectable environmental settings make the Fisherbrand range of analytical balances ideally suited to meet the routine weighing needs of most labs.

- Weighing modes include weighing, parts counting and percentage weighing
- Large draft shield with sliding top and side doors
- Single line LCD
- Three button operation
- RS232 bi-directional interface
- Front level indicator - no need to look in back of balance during levelling process
- Solid diecast metal base, stainless steel pan
- Works well in harsh environments; settings can be adjusted to compensate for vibrations and other disturbances
- Calibration lockout
- Integral menu lock - a combination of software and a mechanical switch locks menus, including calibration
- Security loop in rear of balance
- a.c. adapter (included), balance power input 8 to 14.5V a.c., 50/60Hz 4VA or 8 to 20V d.c., 4W
- Two year warranty

Cat. No	Capacity	Readability	Linearity	Repeatability	Weighing modes	Pan shape	Dimensions, mm (w x d x h)	Stabilisation time	Platform size	Compliance	Communication interface	Calibration
15395103	65g	0.1mg	0.2mg	0.1mg	Weighing, parts counting, percentage weighing	Round	196 x 320 x 187	3secs	90mm dia.	GLP with optional printer	RS232	Internal
15305113	210g	0.1mg	0.2mg	0.1mg	Weighing, parts counting, percentage weighing	Round	196 x 320 x 187	3secs	90mm dia.	GLP with optional printer	RS232	External
15315113	210g	0.1mg	0.2mg	0.1mg	Weighing, parts counting, percentage weighing	Round	196 x 320 x 187	3secs	90mm dia.	GLP with optional printer	RS232	Internal

Accessories

Cat. No	Description
15380684	Auxiliary display PAD7
11850133	Density kit for solids
10591982	Anti-theft device
12008548	In use display cover
15390684	Sinker glass density kit for liquids
13445129	Impact printer for Portable, Analytical, Precision and Moisture Series
15377904	Impact printer cable for Analytical, Precision and Moisture Series
15367904	Impact printer paper rotary axis
10656704	Impact printer paper roll (57.5mm pack of 2)
15276939	Impact printer ink ribbon cassette

Balances, Precision series

Selectable environmental settings, three filter modes and adjustable zero tracking make the Fisherbrand Precision Series the perfect balances for working in slow filling applications where sensitivity is a must.

• Weighing modes include weighing, parts counting and percentage weighing
• Draft shield with three sliding doors (on 1mg models only)
• Single line LCD
• Three button operation
• RS232 bi-directional interface
• Front level indicator - no need to look in back of balance during levelling process
• Solid diecast metal base, stainless steel pan
• Works well in harsh environments; settings can be adjusted to compensate for vibrations and other disturbances
• Calibration lockout
• Security loop in rear of balance
• Integral menu lock - a combination of software and a mechanical switch locks menus, including calibration
• a.c. adapter (included), balance power input 8 to 14.5V a.c., 50/60Hz 4VA or 8 to 20V d.c., 4W
• Two year warranty

Cat. No	Capacity	Readability	Linearity	Repeatability	Weighing modes	Pan shape	Dimensions, mm (w x d x h)	Stabilisation time	Platform size	Compliance	Communication interface	Calibration
15325113	210g	0.001g	0.002g	0.001g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 287	3secs	120mm dia.	GLP with optional printer	RS232	External
15335113	410g	0.001g	0.002g	0.001g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 287	3secs	120mm dia.	GLP with optional printer	RS232	External
15345113	410g	0.001g	0.002g	0.001g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 287	3secs	120mm dia.	GLP with optional printer	RS232	Internal
15355113	2,100g	0.01g	0.02g	0.01g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 92	3secs	180mm dia.	GLP with optional printer	RS232	External
15385113	2,100g	0.01g	0.02g	0.01g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 92	3secs	180mm dia.	GLP with optional printer	RS232	Internal
15365113	4,100g	0.01g	0.03g	0.01g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 92	3secs	180mm dia.	GLP with optional printer	RS232	External
15395113	4,100g	0.01g	0.03g	0.01g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 92	3secs	180mm dia.	GLP with optional printer	RS232	Internal
15375113	4,100g	0.1g	0.1g	0.1g	Weighing, parts counting, percentage weighing	Round	196 x 320 x 92	3secs	180mm dia.	GLP with optional printer	RS232	External

Accessories

Cat. No	Description
15380684	Auxiliary display
10591982	Anti-theft device
12008548	In use display cover
13445129	Impact printer for Portable, Analytical, Precision and Moisture Series
15377904	Impact printer cable for Analytical, Precision and Moisture Series
15367904	Impact printer paper rotary axis
10656704	Impact printer paper roll (57.5mm pack of 2)
15276939	Impact printer ink ribbon cassette

Balances, Moisture series

The Fisherbrand Moisture Analyser features high quality durable construction and easy one button set up. With a large backlit LCD display, standard RS232 port, 60g capacity with a readability of 0.005g/0.05% and halogen heating, it is ideal for food analysis, quality control, waste water analysis, and an endless number of industrial, environmental and life science applications.

• Large backlit LCD display
• RS232 bi-directional interface
• Easy to clean heating chambers ideal for frequent use and inexpensive maintenance
• Compact footprint designed to take up less space
• Heating technology: Halogen (50°C to 160°C in 5° increments)
• Repeatability (Std. Dev, g): 0.2% (3g sample) 0.05% (10g sample)
• 200V a.c. to 240V a.c., 3A, 50/60Hz
• Two year warranty

Cat. No	Capacity	Readability	Repeatability	Pan shape	Dimensions, mm (w x d x h)	Platform size	Compliance	Communication interface	Calibration
15305123	60g	0.005g	0.05%	Round	170 x 280 x 130	90mm dia.	GLP with optional printer	RS232	External

Accessories

Cat. No	Description
10342852	Temperature calibration kit
11878852	Pan holder
15300694	Cover In-Use
10496791	Anti-theft device
11804242	Aluminium pans, 80 per pack
11894762	Pads glass fibre discs, (200 per pack)
11865390	Set of 3 reusable sample pans

Cat. No	Description
13445129	Impact printer for Portable, Analytical, Precision and Moisture Series
15377904	Impact printer cable for Analytical, Precision and Moisture Series
15367904	Impact printer paper rotary axis
10656704	Impact printer paper roll (57.5mm pack of 2)
15276939	Impact printer ink ribbon cassette

Bath, ultrasonic, heated

• Compact, (d x l x h), mm: 120 x 140 x 60
• Stability at 37°C ±0.1°C
• Homogeneity: ±0.1°C to 37°C
• Timer: 0 to 19h:59min, or continuous

Cat.No	Description	Pack qty
10162372	Ultrasonic water bath, heated, 9.5L	1
10241320	Stainless steel basket for use with 10162372	1
10560243	Plastic lid for use with 10162372	1

Mini centrifuge

• Speed, rpm: max. 6,000
• Dimensions (w x d x h), mm: 153 x 128 x 104
• UV resistant plastic
• Includes two interchangeable rotors, six place standard rotor and an eight place strip rotor

Cat. No	Description	Pack qty
13406188	Mini centrifuge , UK, plug	1
13416188	Mini centrifuge, EU plug	1

Midi centrifuge

• Speed, rpm: 500 to 12,500
• Dimensions (w x d x h), mm: 203 x 171 x 114
• Tool-free quick change rotor system
  Supplied with two rotors:
  - twelve place standard rotor with lid for 1.5/2.0mL tubes
  - eight place strip rotor for four 0.2mL tube strips or 32 single tubes
  - 12 x 0.2mL and 0.5mL adapters for customised use

Cat. No	Description	Pack qty
12972041	Midi centrifuge	1

Sonic dismembrator

NEW

• Four models available:
  - Model 50 Sonic Dismembrator: Processes 0.2 to 50mL, 50 watts, continuous or remote operation, (footswitch optional) lightweight converter (340g) for hand-held operation
  - Model 120 Sonic Dismembrator: Processes 0.2 to 50mL, 120 watts, programmable from 1 second to 10 hours, overload protection, pulse mode (1 to 59 seconds), energy display (watts and Joules), lightweight converter (340g) for hand-held operation
  - Model 505 Sonic Dismembrator: Processes 0.5 to 500mL, 500 watts, programmable from 1 second to 10 hours, overload protection, pulse mode (1 to 59 seconds), energy display (watts and Joules)
  - Model 705 Sonic Dismembrator: Processes 0.2 to 1,000mL, 700 watts, touch screen display, programmable from 1 second to 99 hours, save up to 10 different programs, overload protection, pulse mode (1 second to 24 hours), energy display (real-time watts and cumulative Joules), temperature monitoring (requires, optional temperature probe), full amplitude control from 1 to 100%

• Applications include:
  - Cell disruption
  - Homogenisation
  - ChIP/DNA shearing
  - Nanoparticle dispersion
  - Protein extraction
  - Sonochemistry
  - Soil extraction
  - Mixing

Cat. No	Description	Pack qty
12961151	Model 50: Includes generator, converter, 3mm probe, cables, wrench set, manual, 230V, 50/60Hz, 203mm x 190mm x 152mm (w x l x h)	1
12337338	Model 120: Includes generator, converter, 3mm probe, cables, wrench set, manual, 230V, 50/60Hz, 203mm x 330mm x 152mm (w x l x h)	1
12893543	Model 505: Includes generator, converter, 13mm probe, cables, wrench set, manual, 230V, 50/60Hz, 203mm x 387mm x 216mm (w x l x h)	1
12931151	Model 705: Includes generator, converter, 13mm probe, cables, wrench set, manual, 230V, 50/60Hz, 203mm x 387mm x 216mm (w x l x h)	1

Accessories

Cat. No	Description	Pack qty
12991181	Cup horn for indirect processing of individual sealed tubes or vials, 38mm cup diameter, for 120 watt sonicator	1
15370372	Cup horn for indirect processing of up to 8 x 2mL tubes/vials, 63mm cup diameter, for 500 watt sonicator	1
12357338	Eight-tip horn positioner, 3.1mm tip diameter, for 120 watt sonicator	1
12961161	Footswitch for hands-free operation of 50 watt sonicator	1
12981171	Microtip probe 1.6mm diameter, 0.2mL to 5mL processing volume for 700 watt sonicator	1
12921181	Microtip probe 1.9mm diameter, 0.2mL to 5mL processing volume, for 50 and 120 watt sonicators	1
12991171	Microtip probe 3.1mm diameter, 0.5mL to 15mL processing volume for 500 and 700 watt sonicators	1
12911181	Microtip probe 3.1mm diameter, 0.5mL to 15mL processing volume, for 50 and 120 watt sonicators	1
12931181	Microtip probe 6.3mm diameter, 5mL to 50mL processing volume, for 120 watt sonicator	1
12901181	Microtip probe 6.3mm diameter, 5mL to 50mL processing volume, for 500 and 700 watt sonicators	1
12921171	Probe 12.7mm diameter, 10mL to 250mL with replaceable tip, for 500 and 700 watt sonicators	1
12971161	Probe 19.05mm diameter with replaceable tip, 25mL to 500mL processing volume	1
12901171	Probe, 25.4mm diameter with replaceable tip 50mL to 1000mL for 700 watt sonicator	1
12951171	Replacement tip 12.7mm diameter, for 500 and 700 watt sonicators	1
12961171	Replacement tip 19.05mm diameter, for 500 and 700 watt sonicators	1
12911171	Solid tip probe 12.7mm diameter, 10mL to 250mL processing volume, for 500 and 700 watt sonicators	1
12981161	Solid tip probe, 19.05mm diameter, 25mL to 500mL processing volume	1
12991161	Solid tip probe, 25.4mm diameter, 50mL to 1000mL processing volume for 700 watt sonicator	1
12353745	Sound enclosure with converter clamp, 254mm x 254mm x 508mm (w x l x h external dimensions), for 120 watt sonicator	1
12893553	Sound enclosure, 343mm x 775mm x 330mm (w x l x h external dimensions), for 500 and 700 watt sonicators	1
12883563	Stand with 12.7mm x 610mm rod and converter clamp for 500 and 700 watt sonicator	1

Stirrer, ultra thin, magnetic

• Modern magnetic coil technology
• Ultra thin design - just 12mm high
• Variable speed setting from 15 to 1,500rpm
• Anti-skid pads
• Flat surface
• Simple control panel with easy to use interface
• Speed indicator during operation
• Wearfree drive (no moving parts). Maintenance free
• Set-up plate and casing made from chemically resistant materials
• Stir bar docking location to place or attach magnetic stir bar
• Power supply - supplied with UK and EU adapter
• Pulse function provides better mixing (stir bar alternates rotating clockwise and counter clockwise every 30s)

Cat. No	Description	Pack qty
15361901	Ultra thin magnetic stirrer	1

NEW

Vortexer, mini

• Small, compact vortex mixer
• Fixed speed 2,800rpm
• Orbit 4.5mm
• Touch function activates the motor immediately upon contact with a tube or vessel
• The unique cup design accepts tubes and vessels of all sizes, including 15 and 50mL conical tubes
• Power supply – supplied with both UK and EU adapters
• Two year warranty

Cat. No	Description	Pack qty
15212985	Vortexer, mini	1

NEW

GLASSWARE

Bottles, soda glass, Boston round

• Narrow mouth, ideal for solvents, chemicals and sample storage
• PTFE lined cap
• All bottles are packed with caps attached
• Available in clear and amber
• Autoclavable

Cat. No	Description	Capacity, mL	Pack qty
11728889	Bottle, Boston round, 20/400	30	48
11738889	Bottle, Boston round, 20/400	60	24
11748889	Bottle, Boston round, 22/400	125	24
11758889	Bottle, Boston round, 24/400	250	12
11768889	Bottle, Boston round, 28/400	500	12
11778889	Bottle, Boston round, 33/400	1,000	12
11708919	Bottle, Boston round, amber, 20/400	30	48
11718919	Bottle, Boston round, amber, 20/400	60	24
11728919	Bottle, Boston round, amber, 22/400	125	24
11738919	Bottle, Boston round, amber, 24/400	250	12
11748919	Bottle, Boston round, amber, 28/400	500	12
11758919	Bottle, Boston round, amber, 33/400	1,000	12

Bottles, soda glass, wide mouth packers

• Wide mouth bottles allow for easy accessibility for removal of contents
• Available in clear and amber
• PTFE lined cap
• Autoclavable
• All bottles are packed with caps attached

Cat. No	Description	Capacity, mL	Pack qty
11718749	Bottle, wide mouth packer, 48/400	125	24
11704329	Bottle, wide mouth packer, 58/400	250	24
11714329	Bottle, wide mouth packer, 63/400	500	24
11724329	Bottle, wide mouth packer, 70/400	1,000	12
11734329	Bottle, wide mouth packer, 83/400	2,000	6
11553672	Bottle, wide mouth packer, 89/400	3,810	4
11754249	Bottle, wide mouth packer, amber, 28/400	30	24
11764249	Bottle, wide mouth packer, amber, 33/400	60	24
11774249	Bottle, wide mouth packer, amber, 38/400	125	24
11784249	Bottle, wide mouth packer, amber, 45/400	250	24
11794249	Bottle, wide mouth packer, amber, 53/400	500	12
11704259	Bottle, wide mouth packer, amber, 53/400	1,000	12
11563702	Bottle, wide mouth packer, amber, 70/400	1,250	6
11714259	Bottle, wide mouth packer, amber, 70/400	2,500	12

Bottle, soda glass, Boston round, wide mouth packer

- Wide mouth bottles allow for easy accessibility for removal of contents
- PTFE lined cap
- Certified clean
- All bottles are packed with caps attached
- Amber glass
- Autoclavable

Cat. No	Description	Capacity, mL	Pack qty
12548716	Bottle, wide mouth packer, amber, 33/400	60	24
11744299	Bottle, wide mouth packer, amber, 38/400	125	12
11754299	Bottle, wide mouth packer, amber, 45/400	250	12
11764299	Bottle, wide mouth packer, amber, 53/400	500	12
12558716	Bottle, wide mouth packer, amber, 53/400	1,000	12

Bottles, soda glass, straight sided, certified clean

- Ideal for soil sampling and environmental applications.
- Straight sided walls allow for the complete removal of contents
- Not autoclavable
- Bottles are packed with PTFE lined caps ready-fitted
- Available certified cleaned per EPA guidelines for semi-volatiles, pesticides, PBCs and metals. A certificate of analysis is attached to each lot

Cat. No	Description	Capacity, mL	Pack qty
11714339	Bottle, straight sided, 43/400	30	48
11724339	Bottle, straight sided, 53/400	60	24
11734339	Bottle, straight sided, 58/400	125	24
11778789	Bottle, straight sided, 70/400	250	12
11744339	Bottle, straight sided, 89/400	500	12
11754339	Bottle, straight sided, 89/400	1,000	12
11784289	Bottle, straight sided, 53/400	60	24
11794289	Bottle, straight sided, 58/400	125	24
11704299	Bottle, straight sided, 70/400	250	24
11714299	Bottle, straight sided, 89/400	500	12
11724299	Bottle, straight sided, 89/400	1,000	12
11583782	Bottle, straight sided, amber, 58/400	125	24
11734349	Bottle, straight sided, amber, 70/400	250	12

Cylinders, borosilicate glass, Class A

- Graduated in blue ceramic markings
- Individual reorder code on each item
- Pouring spout
- Hexagonal base
- DIN 12680 BS 604 ISO 4788

Cat. No	Capacity, mL	Graduations, mL	Pack qty
11517832	10	0.2	2
11527832	25	0.5	2
11537832	50	1.0	2
11547832	100	1.0	2
11557832	250	2.0	2
11567832	500	5.0	2
11577832	1,000	10.0	2

Cylinders, borosilicate glass, Class B

- Graduated in blue ceramic markings
- Individual reorder code on each item
- Pouring spout
- Hexagonal base
- DIN 12680 BS 604 ISO 4788

Cat. No	Capacity, mL	Graduations, mL	Pack qty
11507702	5	0.1	2
11517702	10	0.2	2
11527702	25	0.5	2
11537702	50	1.0	2
11547702	100	1.0	2
11557702	250	2.0	2
11567702	500	5.0	2
11577702	1,000	10.0	2
11587702	2,000	20.0	1

Funnels, borosilicate glass, short stem

Cat. No	Description	Pack qty
10710105	Funnel, short stem, 30mm diameter	48
10042222	Funnel, short stem, 35mm diameter	24
10720295	Funnel, short stem, 45mm diameter	24
10730295	Funnel, short stem, 50mm diameter	12
10124352	Funnel, short stem, 55mm diameter	12
10134352	Funnel, short stem, 60mm diameter	12
10082242	Funnel, short stem, 75mm diameter	48
10767414	Funnel, short stem, 80mm diameter	24
10123682	Funnel, short stem, 100mm diameter	24
10082252	Funnel, short stem, 120mm diameter	12

Volumetric flasks, borosilicate glass, Class A

- ISO 1042, DIN 12664
- One mark graduation
- Interchangeable polyethylene stopper
- Details on each flask include confirmation of compliance to International Standards as well as an individual reorder code

Flasks, clear, white markings	Capacity, mL	Tolerance, mL	Stopper Ø, mm	Neck O.D., mm	Pack qty
11576923	5	0.04	10/19	13	5
11586923	10	0.04	10/19	13	5
11596923	20	0.04	10/19	13	5
11506933	25	0.04	10/19	13	5
11516933	50	0.06	12/21	15	5
11526933	100	0.10	12/21	15	5
11536933	200	0.20	14/23	17	2
11546933	250	0.30	14/23	17	2
11556933	500	0.25	19/24	22	2
11566933	1000	0.40	24/29	28	2
11576933	2000	0.60	29/32	28	1

Flasks, amber, white markings	Capacity, mL	Tolerance, mL	Stopper Ø, mm	Neck O.D., mm	Pack qty
11379433	10	0.025	10/19	13	5
11389433	20	0.04	10/19	13	5
11399433	25	0.04	10/19	13	5
11309443	50	0.06	12/21	15	5
11319443	100	0.08	12/21	15	5
11329443	200	0.10	14/23	17	2
11339443	250	0.12	14/23	17	2
11349443	500	0.20	19/24	22	2
11359443	1000	0.30	24/29	28	2

LAB STORAGE

Containers, storage, Tubby™

- Stackable storage containers to help with laboratory organisation or transportation of products
- Removable dividers
- For keeping gloves, tubes, tips, pipettes and other small items organised and tidy
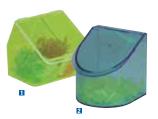- Stackable and proportionately sized to utilise space efficiently

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
11938014	Tubby™, with 5 tubs, 5 lids and 15 dividers	330 x 200 x 115	5

Dispensing bins, bench top

- Ideal for holding many different laboratory items including micro-centrifuge tubes
- Ergonomically designed with large, angled openings and oversized lip
- Lid remains open when tilted back
- Green bin includes removable divider
- With non-skid rubber feet and pre-drilled holes for wall mounting (hardware included)

Cat. No	Description	Colour	Dimensions, (w x d x h), mm	Pack qty
1 11304065	Benchtop dispensing bin, with removable divider	Neon green	180 x 155 x 165	1
2 11314065	Benchtop dispensing bin	Neon blue	155 x 155 170	1

Aluminium foil and dispenser

- Compact, easily transported foil dispenser
- Stable with non-slip base
- Safety blade is integrated into the cover

1 Foil dispenser	Description	Dimensions	Pack qty
11957994	Foil dispenser, ABS, blue	190mm x 100mm x 120mm (w x d x h)	1
2 Foil rolls	Description	Dimensions	
11967994	Aluminium foil for foil dispenser	102mm x 153m (w x l)	1
11977994	Aluminium foil for foil dispenser	153mm x 153m (w x l)	1

Dispensers, for Parafilm™

- Stores, dispenses and cuts Parafilm™ tape and labels

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
1 11937994	Acrylic dispenser	119 x 168 x 175	1
2 11350040	ABS dispenser, blue	171 x 120 x 144	1
11865993	ABS dispenser, green	171 x 120 x 144	1
11875993	ABS dispenser, red	171 x 120 x 144	1

Label station, Tough-Tags™

- Portable Tough-Tags™ station holds up to six standard size boxes of Tough-Tags™, Cryo-Babies™, Tough-Spots™ and Teeny-Tough-Spots
- Just drop the box into the station and feed the paper through the slot
- The acrylic station includes a writing surface, cutting edge and non-slip feet for easy dispensing. Counter sunk holes allow the unit to be wall mounted if required
- Tags sold separately (illustrated for display purposes only)

Cat. No	Description	Pack qty
11947994	Tough-Tags™ station	1

Glove box holders, wire

- Epoxy coated steel wire racks which hold most major brands of glove boxes
- Available as a single box holder or as a three box holder
- Wall mount screws included

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
11885843	One box holder	140 x 108 x 208	1
11895843	Three box holder	250 x 108 x 454	

Glove box holders, acrylic

- Wall mounted, clear acrylic holders for easy dispensing of gloves
- Each holder includes a polyester foam insert to securely hold a range of glove box sizes
- Fit ensures easy removal of gloves
- Available in three sizes
- Wall mount screws included

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
11897102	One box holder	141 x 260 x 110	1
11807112	Two box holder	295 x 260 x 110	1
11817112	Three box holder	295 x 385 x 110	1

Glove box holders, anti-microbial

- Ideal for use in cleanroom, hospital and microbiological work areas
- Infused with Microban® to prevent growth of moulds and bacteria
- Manufactured from high impact, durable polystyrene which is resistant to harsh cleaning solutions
- Compatible with many different glove manufacturers standard 100 pack glove boxes
- Modular design, allows horizontal stacking
- Screws and anchors included

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
11710644	Glove box holders, anti-microbial	254 x 156 x 97	1

Storage boxes, magnetic

- Each rack is made of robust ABS plastic in a bright translucent colour
- Racks feature four powerful magnets for a secure hold on most metal surfaces
- MagRack™ holds four 50mL tubes and nine 15mL tubes
- MagWipe™ holds a 110mm x 210mm wipe box
- MagPette™ holds two pipettors and fits most pipettor brands
- MagBox™ holds miscellaneous accessories

Cat. No	Description	Colour	Dimensions, (w x d x h), mm	Pack qty
11942581	Complete storage system, includes MagRack™, MagWipe™, MagPette™ and MagBox™	Assorted	522 x 393 x 102	4
11982581	MagRack™ for 15mL and 50mL conical tubes	Blue	131 x 112 x 64	1
11992581	MagWipe™ tissue box holder	Green	130 x 91 x 98	1
11932581	MagPette™ pipettor holder	Purple	131 x 112 x 76	1
11922591	MagBox™ storage box	Orange	130 x 78 x 102	1

Tube rack storage, acrylic

- Tube rack storage for 80 well microtube racks
- Holds up to eight 80 well microtube racks filled with either 1.5mL or 2.0mL microtubes
- Plenty of room to slide the racks in and out

Cat. No	Description	Dimensions, (w x d x h), mm	Pack qty
11708214	Tube rack storage vertical	236 x 157 x 234	1
11710055	Tube rack storage horizontal	310 x 236 x 122	1

Storage units, bench top

- Made from 3mm thick, clear acrylic, each container has hinged lids for rapid filling and dispensing

Cat. No	Dimensions, (w x d x h), mm	No. of compartments	Pack qty
11764834	184 x 194 x 232	1	1
11774834	150 x 177 x 368	2	1
11907994	210 x 160 x 210	3	1
11784834	287 x 170 x 217	4	1

LAB TOOLS

Calculator, solar, desktop

- Solar powered unit can be read in any light
- Digit height is 19mm
- Large 8 or 12 digit display is angled to eliminate reflected glare
- Jumbo digital display allows effortless readings even with your glasses off
- Oversized keys and perfect spacing are easy on the fingers
- Tough ABS plastic case is ideal for rough lab use
- Feet protect the unit from spills
- Dimensions (l x w x h), mm: 114 x 165 x 4.8
- Weight, g: 124

Cat. No	Description	Pack qty
11863172	Solar desktop calculator (8 digit)	1
11734416	Solar desktop calculator (12 digit)	1

Counter-Pen™

- Combination marker and digital counter designed for the lab and plant
- Sound and count occur simultaneously when black mark is made with felt tipped pen
- Essential for counting cell growth on petri dishes, inventory parts, and tally samples received
- Pen marks hold place if interrupted and counter holds total
- Counting quantity: 99,999
- Dimensions, mm: 153.4 x 16.8

Cat. No	Description	Pack qty
11862710	Counter-Pen™	1
13128325	Replacement pen cartridge for Counter Pen	1

Counter, tally

- Numbers instantly and automatically return to zero with the twist of the reset knob
- Four digit hand-held tally counter
- Records up to 9999
- Dimensions, mm : 44.5 x 28.5
- Weight, g: 85

Cat. No	Description	Pack qty
11577483	Counter, tally	1

Desi-Vac™ vacuum pump containers

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

Cat. No	Dimensions (dia. x h), mm	Volume	Pack qty
11744366	114 x 125	700cc	1
11754366	127 x 184	1,500cc	1
11764366	216 x 178 x 184	3,000cc	1

Glassware Rescuer™

- Save your glassware, recover beakers, and preserve your flasks with this handy industrial diamond file
- Saves money and the environment
- Also may be used to score glass tubing for breaking
- Non-skid, facetted handle is easy to hold
- File diameter is 6.4mm, file length 102mm, overall length 203mm

Cat. No	Description	Pack qty
11784386	Glassware Rescuer™	1

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 - certified ISO Class 5 (Class M3.5) cleanroom compatible
- Indicator Sponge™ shows when moisture capacity has been reached

Cat. No	Description	Dimensions, mm	Pack qty
11724366	Humidity Sponge™ regenerable	76 x 76 x 6.4	40
11734366	Humidity Sponge™ indicator	76 x 76 x 6.4	40

Labtool II™/ Mini-Labtool II™

- Stainless steel with aluminium handle
- Labtool II™ is 90mm long, the mini version is 65mm long

Cat. No	Description	Pack qty
11873172	Labtool II™: 14 tools - pliers/grippers, wire stripper, wire cutter, ruler, small knife, large knife, serrated knife, punch, flat head screwdriver, Phillips™ screwdriver, bottle opener, needle, saw and serrated stripper	1
11883172	Mini-Labtool™: 13 tools - pliers/grippers, wire stripper, wire cutter, knife, flat head screwdriver, Phillips™ screwdriver, scissors, file, saw, bottle opener and can opener with key chain	1

Permanent marking pen assortment

- Produce precise lines of 0.3mm width
- Perfect marking pens for lab samples, microscope slides, photographic slides, glass and plastic beakers, and plastic sample bags
- Writes on all surfaces including glass, film, wood, plastic, metal, rubber, and porcelain
- Instant writing, long storage time, and dry-out prevention are assured by an airtight ring seal cap
- Permanent ink dries in a split second and is waterproof and fade proof

Cat. No	Colour	Pack qty
11734386	Six black, two each red, blue, green	12
11744386	Black	6
11754386	Red	6
11764386	Blue	6
11774386	Green	6

Pump, tubing, variable speed

- Compact, variable flow, bi-directional, self-priming, peristaltic pumps offer precise flow deliveries
- Ideal for use with conductivity flow-through cells, liquid chromatography, collecting fractions, pH/circulating fluids or buffers in baths, and moving corrosive materials
- Provide outstanding flow control and flexibility for transferring and dosing liquids
- Fluid contacts only the tubing for contamination-free pumping
- Flow rates are from 0.005mL per minute to 600mL per minute
- Flow rates are 0.005mL per minute to 85mL per minute
- The revolution of one roller delivers a precisely measured volume specific to the tubing size and motor speed
- May be used with up to 36m of tubing for remote sampling
- Tubing may be used with fluid temperatures from −62 to 260°C
- Tubing may be sterilised by autoclave
- Unit pumps liquids and gases
- Pumping dry does not harm the pump
- Pump has a purge/prime switch for high speed emptying/filling
- Reverses at the touch of a switch for ease in draining tubing
- Three rollers reduce flow pulsation, prevent siphoning, and eliminate the need for check valves
- There are no valves to clog, no seals to leak
- Supplied with silicone tubing, polypropylene fittings/nipples, wall power supply, and an accessory battery connector (battery not supplied)
- Case is chemical resistant ABS plastic
- Dimensions (l x w x h), mm: 168 x 121 x 114
- Weight, g: 567

Cat. No	Description	Pack qty
11854573	Variable speed peristaltic tubing pump ultra-low flow 0.005 to 0.900mL/minute	1
11864573	Variable speed peristaltic tubing pump low flow 0.03 to 8.20mL/minute	1
11874573	Variable speed peristaltic tubing pump medium flow 0.4 to 85.0mL/minute	1

Spatulas, micro

- Micro Spatulas - perfect for handling extremely small samples with ease
- Use spatulas to dispense/transfer expensive chemicals, place particulate matter in weighing containers, apply micro amounts of adhesive for tacking down specimens, and mix small granular samples
- Four sizes, use with balances, microscopes and weighing boats. Flat ended, stainless steel blades have widths of 0.1mm, 0.3mm, 0.5mm and 1.0mm. Handles are colour coded for easy size identification. Overall length is 6cm

Cat. No	Description	Pack qty
11734356	Spatulas, micro	4

Spatula, stainless steel, Nuffield

- With scoop at one end and narrow, bent blade at the other

Cat. No	Capacity, mL	Pack qty
11593452	165	5

Spatulas, metal

- Spatulas, nickel and stainless steel Chattaway: 3.6mm barrel; nickel and stainless steel: 1.6mm barrel

Cat. No	Capacity, mL	Length, mm	Pack qty
Nickel, drawn out flat to form narrow, bent blade at one end			
11593452	165	-	5
Stainless steel, lightweight, flat with rounded ends			
11776597	90	20	5
11786597	150	30	5
Stainless steel, heavyweight, with one spatulate end and one spoon end			
11756597	120	18	5
11533462	150	18	5
11864233	210	18	1
Nickel, Chattaway			
11553462	100	10	5
11814593	150	10	5
11824593	180	10	5
11583462	200	10	5
11834593	230	10	5
11716607	270	10	5
[1] Stainless steel, Chattaway			
11726607	100	10	5
11513472	150	10	5
11523472	180	10	5
11573482	200	10	5
11533472	230	10	5
11523502	300	10	5
11533502	350	10	5
11563482	150	8	5
[2] Nickel, double, spoon one end			
11716567	120	14	1
11726567	150	17	1
11736567	180	17	1
11746567	210	18	1
[3] Nickel, flat taper blade			
11573492	120	25	5
11583492	180	35	1
[4] Nickel, micro			
11706447	100	4	5
11593472	130	4	5
11503482	150	4	5
11513482	200	4	5
Stainless steel, micro			
11523482	100	4	5
11533482	130	4	5
11543482	150	4	5
11553482	200	4	5
[5] Stainless steel, microspoon			
11746607	100	4	5
11593482	150	4	5
Stainless steel, trough/Trulla			
[6] 11503492	150	8	5
[7] 11523492	176	20	5

Tube rack, 96 well, assorted colours

- Reversible: 0.5mL or 1.5 to 2mL microtubes
- Alphanumeric coding
- With clear cover to protect the tubes and allow stacking of several racks
- Dimension (l x w x h), mm: 246 x 121 x 50

Cat. No	Description	Pack qty
11728174	96 well reversible rack, assorted colours (blue, green, pink, yellow and orange)	5
11738174	96 well reversible rack, natural	5
11958014	96 well reversible rack, blue	5
11968014	96 well reversible rack, green	5
11748174	96 well reversible rack, pink	5
11978014	96 well reversible rack, yellow	5

Tube rack, centrifuge, 50mL

- Sturdy single tube storage for 50mL tubes
- Interlocking racks can be used as single stand-alone rack or interlinked to form a line
- Fully autoclavable
- Moulded circular base ring keeps conical or round bottom tubes in place
- Dimensions (l x w x h), mm: 83mm x 70mm x 67mm (single unit)

Cat. No	Description	Pack qty
11717285	Interlocking centrifuge tube rack, polypropylene, assorted colours (blue, green, yellow, pink, orange)	5
11727285	Centrifuge tube rack, epoxy coated steel, yellow	1

Tube rack, centrifuge, adjustable

- Adjustable opening for different diameter tubes
- Holds 12 tubes from 15mL to 50mL (16mm to 30mm diameter)
- Size of opening can be changed by turning handle or by direct insertion of tube
- With handles for easy transportation
- Dimensions [w x d x h], mm: 194 x 140 x 51

Cat. No	Description	Pack qty
11987994	Tube rack, centrifuge, adjustable	1

Tube rack, centrifuge, Puzzle Rack

- Two sided racks for use with 1.5mL, 2.0mL, 15mL and 50mL tubes
- Puzzle shaped racks can be used individually or connected to a square or row configuration
- Imprinted references aid easy retrieval of tubes
- Assorted colours - yellow, blue, green and orange
- Racks can be stacked when not in use
- Polypropylene
- Dimensions, mm: 151 x 135 x 66

Cat. No	Description	Pack qty
11324095	Puzzle Rack	4

Tube rack, four way

- Each rack can hold 4 x 50mL conical tubes, 12 x 15mL conical tubes, 32 x 1.5mL microtubes or 32 x 0.5mL microtubes
- Dimensions (l x w x h), mm: 174 x 95 x 52
- Autoclavable

Cat. No	Description	Pack qty
11700055	Four way tube rack, assorted colours (blue, green, pink, yellow and orange)	5

Tube rack, floating

- Brightly coloured, HDR foam racks are ideal for floating tubes in water baths, tubs or beakers
- Closed cell foam resists water absorption so racks can be washed and reused
- Blue round rack features unique 'X' slits to hold a variety of tube sizes
- Include detachable carrying handles to lift samples easily

Cat. No	Description	Colour	Pack qty
11724736	Holds 24 x 1.5mL to 2.0mL tubes	Yellow	1
11704736	Holds 4 x 50mL tubes	Green	1
11714736	Holds 8 x 15mL tubes	Blue	1
11736565	Holds 18 x 0.2mL to 2.0mL tubes, round rack	Blue	1

Tube rack, microcentrifuge, polypropylene, 20 well

- Polypropylene racks for storing 20 tubes
- Racks lock together on each side
- Tubes are easily removed using 'hold-it' finger slot on the front of the rack
- Dimensions (l x w x h), mm: 213 x 90 x 50
- Autoclavable

Cat. No	Description	Pack qty
11784016	Microtube rack 20 well, blue	6

Tube rack, microcentrifuge, polystyrene foam, 50 and 100 well

- Lightweight 1.5mL and 2mL microtube racks, ideal for long term studies and tube storage
- Two piece racks are constructed from expanded polystyrene (EPS) foam
- Extra spacing between wells allows easy gripping with finger tips
- Racks stack securely with nesting features on lid and base

Cat. No	N° of wells	Dimensions [l x w x h], mm	Pack qty
11948084	50	210 x 110 x 71	10
11774016	100	336 x 95 x 73	10

Tube rack, microcentrifuge, polypropylene, three way

- Three way polypropylene racks connect to one another on either end
- Convenient finger slots are moulded onto the rack and each of the three tiers accommodates a different size tube
- Lowest level has 24 wells to hold individual 0.2mL tubes or strips of 8 or 12 tubes
- Middle tier has 14 wells to hold 0.5mL tubes
- Top tier has 12 wells to hold 1.5mL tubes
- Autoclavable
- Dimensions (l x w x h), mm: 164 x 123 x 62
- Supplied in assorted colours (blue, green, purple, yellow, and orange)

Cat. No	Description	Pack qty
11928084	Microtube rack three way, assorted colours	6

Tube rack, microcentrifuge, polypropylene, 80 well

- Polypropylene 80 well microtube racks ideal for freezer storage
- Racks hold 1.5mL to 2mL microtubes in a 5 x 16 array. Tubes sit in large wells with conical bottoms
- Dimensions (l x w x h), mm: 225 x 67 x 28
- Autoclavable

Cat. No	Colour	Pack qty
11720344	Natural	5
11908084	Orange	5
11968074	Blue	5
11978074	Green	5
11988074	Pink	5
11998074	Yellow	5
11918074	Red	5
11728084	Assorted colours (one of each colour)	5

Tube rack, microcentrifuge, polypropylene, cube

- User friendly cube racks
- Slide the polypropylene racks together in multiple orientations - work with different sized tubes at the same time
- Each rack can hold 4 x 50mL tubes, 10 x 15mL conical tubes, 12 x 75mL or 100mL tubes or 16 x 1.5mL to 2.0mL tubes
- Autoclavable
- Dimensions (l x w x h), mm: 108 x 113 x 113

Cat. No	Description	Pack qty
11784726	Cube rack, assorted colours (one each of blue, green, yellow, orange, and pink)	5

Tube rack, microcentrifuge, polypropylene, PCR*

- Sturdy polypropylene racks ideal for pre- or post-PCR* sampling applications
- With removable hinged lid accommodates individual 0.2mL tubes or strips of 8 or 12 tubes
- Tube wells are easily identified with imprinted numbers and letters
- Dimensions (l x w x h), mm: 130 x 98 x 33
- Autoclavable

Cat. No	Description	Pack qty
11710344	96 well PCR* rack, assorted colours (blue, green, pink, yellow and orange)	5
11527593	96 well PCR* rack, natural	5
11948074	96 well PCR* rack, green	5
11958074	96 well PCR* rack, blue	5

*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffmann-La Roche

Tube rack, Mega Rack

- Mega Racks are great in clinical labs for storage of large groupings of samples enabling you to place different test groupings into one rack
- Made from sturdy, lightweight material for easy transport
- Include an alphanumeric grid for quick location and retrieval of tubes
- Available in two sizes to fit standard 10 to 13mm or 13 to 16mm tubes

Cat. No	Tube size	Type	No. wells	Colour	Pack qty
11720634	10 to 13mm	Single	216	Blue	1
11730634	13 to 16mm	Single	120	Blue	1

Tube rack, 1 well 50mL, Friction-Fit

- Slides smoothly across the bench
- Snugly fits tubes from 27.5mm to 29.0mm in diameter
- Measures 92mm diameter and 30mm high

Cat. No	Description	Pack qty
11354055	Polystyrene Friction-Fit rack	5

Tube rack Pop-Up™, polypropylene

- Designed to help organise 15mL and 50mL tubes
- Close flat for compact storage
- Pop up for quick use
- Easy open and close action
- Racks can be stacked in open or closed position
- With imprinted grid aids quick retrieval
- Dimensions (l x w x h), mm: 255 x 137 x 72 (when expanded)

Cat. No	Colour	Pack qty
12693466	Purple	2
11710634	Blue	2
11710634	Green	2
12866006	Pink	2

Tube rack, Rota Rack™

- Each module of the small Rota-Rack™ holds 6 x 15mL tubes, 9 x 1.5/2mL tubes, 12 x 0.5/0.6mL tubes or 32 independent 0.2mL PCR* tubes or 4 x 8 tube strips
- Each rack has modules in green, pink, blue and yellow, and is fully autoclavable

Cat. No	Description	Pack qty
11394085	Rota-Rack™, micro tubes	1

Tube rack, Rota-Rack Duo, PCR*

- Rotating rack holds 48 x 0.2mL, 0.5mL and 1.5mL PCR tubes
- Polypropylene with imprinted alphanumeric grid aids tube retrieval
- Dimensions (l x w x h), mm: 296 x 118 x 34

Cat. No	Description	Pack qty
11304095	Rota-Rack™ Duo	1

*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffmann-La Roche

Wipes, cheesecloth

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

Cat. No	Description	Pack qty
15378764	Wipe, 8-ply, 229mm square pad unfolds to approx. 457mm x 914mm	60
10211570	Wipe, 8-ply, 102mm square pad unfolds to approx. 178mm x 355mm	200
11714346	Wipe, roll, approx. 91.5m length x 914mm width	1

Wipes, Clean-Wipes™

- Lint-free, strong, non-woven soft cloths will not scratch surfaces
- Pre-moistened Clean Wipes™ clean even the dirtiest parts
- Ideal for wiping optical parts, microscopes and lenses
- Dry Clean Wipes™ - simply add 8fl.oz. solution of choice
- Individually dispensed - resealable, snap-on lid eliminates contamination, dust and dirt

Cat. No	Description	Pack qty
12972780	Wipe, 100% pure reagent grade deionised water	100
11744346	Wipe, dry, user adds solution of choice	100

Wipes, Optik-Wipes™

- Nonwoven, lint-free cloth is pre-moistened with a unique formulation – easily removes oil, grease and lint
- Designed specifically for wiping goggles, eyeglasses, lenses, microscopes and fume hood windows
- Individually dispensed wipes, 152mm x 229mm

Cat. No	Description	Pack qty
11764346	Optik-Wipes™	100

LIQUID HANDLING

Dispenser, bottle top

- Excellent chemical compatibility
- Fully autoclavable
- Easy to calibrate
- Removable piston
- Springless precision valve mechanism
- Anti-drip cap
- Fits on most common sizes of bottle
- Traceability to an NABL accredited laboratory

Cat. No	Capacity, mL	Pack qty
12867913	0.25 to 2.5	1
12877913	0.5 to 5	1
12887913	1 to 10	1
12897913	2.5 to 30	1
12807923	5 to 60	1
12817923	10 to 100	1

Pipette fillers, universal

- The side-mounted thumbwheel is effortlessly manipulated for exact aspiration or drop-wise delivery
- The plunger is easily depressed for quick dispensing
- Colour coded barrel indicates pipette size

Cat. No	Description	Pack qty
15209805	Pipette filler, universal, blue, 2mL	1
15239805	Pipette filler, universal, green, 10mL	1
15229805	Pipette filler, universal, red, 25mL	1
15219805	Pipette controller	1

Pipette filler, motorised

NEW

- For glass and plastic pipettes from 0.1 to 200mL
- Ergonomic handgrip
- Variable speed with two pipette buttons
- Safety valve
- NiMH battery, 2.4V, 700maH
- Recharging indicator LED

Cat. No	Description	Pack qty
15249805	Motorised pipette filler	1

Pipettes, serological, straight, polystyrene

- Non-pyrogenic and non-cytotoxic warranty
- DNase and RNase free
- Supplied in paper/plastic packaging, or plastic/plastic packaging
- Sterilisation using gamma irradiation

Cat. No	Capacity, mL	Graduations, mL	Colour	Inner pack qty	Pack qty
Pipettes individually wrapped plastic/plastic					
11819660	1	0.01	Yellow	1	1,000
11879650	2	0.01	Green	1	500
11829660	5	0.1	Blue	1	200
11839660	10	0.1	Orange	1	200
Pipettes individually wrapped paper/plastic					
11849181	1	0.01	Yellow	1	1,000
11859181	2	0.01	Green	1	500
11869181	5	0.1	Blue	1	200
11879181	10	0.1	Orange	1	200
11839181	25	0.2	Red	1	200
11889181	50	0.5	Purple	1	100

Pipettes, transfer

NEW

- Low density polyethylene
- Transparent
- Graduated or non-graduated
- Sterile options available
- Various packaging formats

	Cat. No	Description	Sterile	Length, mm	Drop volume, µL	Drop per mL	Pack qty
1	13469118	Transfer pipette PE, 1mL	No	104	33	30	400
2	13499108	Transfer pipette PE, 1mL, graduated	No	150	33	30	500
3	13439118	Transfer pipette PE, 1mL, graduated, extended tip	No	150	33	30	500
	13489108	Transfer pipette PE, 1mL, graduated	Yes	150	33	30	500
	13419118	Transfer pipette PE, 1mL, graduated, inner pack of 10	Yes	150	33	30	500
	13429118	Transfer pipette PE, 1mL, graduated, inner pack of 20	Yes	150	33	30	500
4	13439108	Transfer pipette PE, 3mL, graduated	No	155	40	25	500
	13469108	Transfer pipette PE, 3mL, graduated	Yes	155	40	25	500
	13479108	Transfer pipette PE, 3mL, graduated, inner pack of 10	Yes	155	40	25	500
	13409118	Transfer pipette PE, 3mL, graduated, inner pack of 20	Yes	155	40	25	500
5	13459118	Transfer pipette PE, 4mL, thin stem	No	150	33	30	500
6	13459108	Transfer pipette PE, 4mL	No	150	33	50	500
7	13449108	Transfer pipette PE, 7mL, extra long	No	300	50	20	100
8	13449118	Transfer pipette PE, 10mL, jumbo	No	170	56	18	200

Pipettors, manual, Elite™

Watch our 'SureOne™ filter tip reload system and Elite pipettors' video by visiting www.eu.fishersci.com/go/FBvideos

- Soft-touch tip ejector
- Optimal fit to SureOne™ pipettor tips
- Fully autoclavable
- Comfortable, lightweight handle with finger rest
- Extremely low plunger forces

Single channel

Cat. No	Volume, µL	Pack qty
11815762	0.2 to 2	1
11825762	0.5 to 5	1
11835762	1 to 10	1
11845762	2 to 20	1
11855762	5 to 50	1
11865762	10 to 100	1
11875762	20 to 200	1
11885762	100 to 1,000	1
11895762	500 to 5,000	1
11805772	1,000 to 10,000	1

Multichannel

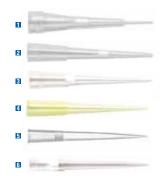| Cat. No	Volume, µL	Pack qty
11815772	1 to 10	1
11825772	2 to 20	1
11835772	5 to 50	1
11845772	10 to 100	1
11855772	20 to 200	1
11865772	100 to 1,000	1
11875772	500 to 5,000	1
11885772	1,000 to 10,000	1

Pipettor tips, filter, universal fit, SureOne™

- Sterile packaging with outer sleeve protects tips from exterior contamination

	Cat. No	Volume, µL	Pack type	Colour	Inner Pack qty	Pack qty
	10µL micropoint tip, graduated at 2µL					
1	11903466	0.1 to 10	Filtered sterile	Clear	96	960
	11933416	0.1 to 10	Bulk	Clear	-	1,000
	10µL extended length micropoint tip, graduated at 2.5µL					
	11913466	0.1 to 10	Filtered sterile	Clear	96	960
	11983416	0.1 to 10	Bulk	Clear	-	1,000
	20µL universal bevelled tip					
2	11943466	2 to 20	Filtered sterile	Clear	96	960
	100µL universal bevelled tip					
3	11953466	10 to 100	Filtered sterile	Clear	96	960
	200µL universal bevelled tip					
4	10124314	1 to 200	Bulk	Yellow	-	1,000
	200µL universal micropoint tip, graduated at 10µL, 50µL and 100µL					
5	11963466	20 to 200	Filtered sterile	Clear	96	960
	1,000µL universal micropoint tip, graduated at 100µL, 200µL, 500µL and 1,000µL					
6	11973466	10 to 1,000	Filtered sterile	Clear	96	960
	1,250µL universal micropoint tip, graduated at 100µL, 200µL, 500µL and 1,000µL					
7	10778535	100 to 1,250	Racked sterile	Clear	96	960
	Micropoint tip Eppendorf style					
8	11903426	0.1 to 20	Bulk	Clear	-	1,000

PLASTICWARE

Bottles, narrow mouth, HDPE

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11735383	30	38 x 84	72
11745383	60	48 x 99	72
11907974	125	48 x 99	500
11765383	250	61 x 132	72
11937964	250	61 x 132	250
11775383	500	71 x 171	48
11997954	500	71 x 171	125
11785383	1,000	91 x 213	24
11977924	1,000	91 x 213	50

Bottles, narrow mouth, HDPE, amber

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11937944	125	48 x 99	72
11947944	250	61 x 132	72
11947924	500	71 x 171	48
11927914	1,000	91 x 213	24

Bottles, wide mouth, HDPE

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11775243	30	36 x 64	72
11785243	60	38 x 86	72
11917974	125	51 x 99	500
11795253	250	62 x 132	72
11947964	250	62 x 132	250
11775253	500	74 x 168	48
11907964	500	74 x 168	125
11745253	1,000	81 x 201	24
11987924	1,000	81 x 201	50

Bottles, wide mouth, HDPE, amber

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11957944	60	36 x 64	72
11967944	125	38 x 86	72
11977944	250	62 x 132	72
11957924	500	74 x 168	48
11937914	1,000	81 x 201	24

Bottles, wide mouth, PP

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11917934	30	36 x 64	72
11927934	60	38 x 86	72
11937934	125	51 x 99	72
11947934	250	62 x 132	72
11927924	500	74 x 168	48
11957904	1,000	81 x 201	24

Bottles, wide mouth, LDPE

Cat. No	Capacity, mL	Dimensions, mm (dia. x h)	Pack qty
11957934	30	36 x 64	72
11967934	60	38 x 86	72
11977934	125	51 x 99	72
11987934	250	62 x 132	72
11937924	500	74 x 168	48
11967904	1,000	81 x 201	24

Bottles, wide neck, LDPE, translucent

- Clear bottles with blue polypropylene screw closure
- Leakproof

Cat. No	Capacity, mL	Neck size, mm	Height, mm	Dimensions, mm (dia. x h)	Pack qty
11547443	30	33/R3	45	36	12
11553232	60	33/R3	80	36	12
11563232	125	38/R3	93	50	12
11583232	250	58/R3	114	61	12
11593232	500	58/R3	140	76	12
11513242	1,000	70/R3	200	90	6

Tubes, microcentrifuge, PCR*

- Polypropylene tubes with attached caps
- Available with flat or dome caps
- Compatible with standard 0.2mL or 0.5mL thermal cycler blocks
- Thin walled
- DNase and RNase free

Cat. No	Description	Volume, mL	Pack qty
11889241	Tubes, flat capped	0.2	1,000
12194142	Tubes, flat capped	0.5	1,000
11899221	Tubes, dome capped	0.2	1,000
11849231	8 tube strip, dome capped	0.25	250
12179770	8 tube strip, flat capped	0.25	250
11849241	8 tube strip	0.25	250
Accessories			
11849251	8 strip, flat caps		250
11859251	8 strip, domed caps		250

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1 **2** **3**

Tubes, microtube

- Use between -80°C to 120°C
- Flat cap
- Withstand speeds up to 30,000xg
- DNase, RNase free
- Polypropylene
- Graduation molded
- Autoclavable
- Non-sterile

	Cat. No	Capacity, mL	Colour	Dia. x height, mm	Max. rcf (xg)	Pack qty
1	**Graduated microtube**					
	11916955	0.6	Natural	8 x 30	30,000	500
	11926955	1.5	Natural	11 x 40	26,000	500
2	11936955	2.0	Natural	11 x 40	25,000	500
	Graduated safelock microtube					
	11976955	0.6	Natural	-	30,000	1,000
	11706467	1.5	Natural	-	26,000	500
	11966955	1.5	Mix	-	26,000	500
3	11956955	2.0	Natural	-	25,000	500
	Graduated low binding microtube					
	11996955	0.6	Natural	10 x 30	-	500
	11986955	1.5	Natural	13 x 40	-	250
	11906955	2.0	Natural	13 x 40	-	250

Tubes, centrifuge, 15mL and 50mL

- 15mL and 50mL capacity
- Available in PP and PET
- Black graduation
- White marking area
- Flat cap and plug seal cap
- Gamma irradiation sterilisation
- Bulk or rack version

Cap, plug seal

Cat. No	Capacity, mL	Max. rcf (xg)	Material	Dia. x H, mm	Sterile	Inner pack qty	Pack qty
Rack							
11839650	50	1800	PET	29 x 114	Yes	25	500
11899640	50	9,400	PP	29 x 114	Yes	25	500
Bulk							
11829650	50	9,400	PP	29 x 114	No	25	500
11829650	50	9,400	PP	29 x 114	No	25	500

Cap, flat top

Cat. No	Capacity, mL	Max. rcf (xg)	Material	Dia. x H, mm	Sterile	Inner pack qty	Pack
Rack							
11819650	50	9,400	PP	29 x 114	Yes	25	500
Bulk							
11512303	50	9,400	PP	29 x 114	Yes	25	500

Cylinders, graduated, with spout

- Large rounded bases ribbed for reinforcement and stability
- Calibrated 'To Contain/To Deliver' at 20°C - meets ASTM laboratory standards
- Chemical, heat and impact resistant makes these cylinders excellent for long term use
- No meniscus to confuse readings - eliminates guesswork

Cat. No	Capacity, mL	Pack qty
Cylinders, PPCO		
11947884	10	12
11957884	25	12
11967884	50	12
11997874	100	8
11907884	250	8
11967874	500	6
11937874	1,000	4
11927874	2,000	2
Cylinders, PMP		
11907894	25	18
11917894	50	18
11977884	100	12
11917884	500	8
11977874	1,000	6
11947874	2,000	4

Funnels, polypropylene

Cat. No	Capacity, mL	Pack qty
Funnels, analytical		
11947914	12	36
11957914	23	36
11967914	37	36
11977914	50	36
11987914	100	36
11977904	150	24
11987904	225	24
Funnels, powder		
11997914	50	36
11907924	100	36
11997904	225	24
11907914	750	24
Funnels, utility		
11997934	40	72
11907944	100	72
11917944	140	72
11927944	210	72
11917914	410	24
11997884	500	12

Syringe filters

• Wide range of membranes and pore sizes
• Sterile and non-sterile versions
• Three different sizes 13mm, 25mm and 33mm

Cat. No	Membrane	Diameter, mm	Pore size, µm	Sterile	Pack qty
15206869	PES	33	0.2	Yes	50
15216869	PES	33	0.45	Yes	50
15121499	Nylon	25	0.2	No	50
15131499	Nylon	25	0.45	No	50
15161499	PTFE	13	0.2	No	100
15171499	PTFE	13	0.45	No	100
15141499	PTFE	25	0.2	No	50
15151499	PTFE	25	0.45	No	50
15181499	PVDF	33	0.2	Yes	50
15191499	PVDF	33	0.45	Yes	50
15181489	Hydrophilic PTFE	25	0.2	No	50
15101499	Hydrophilic PTFE	25	0.45	No	50

Wash bottles, HDPE

• Labelled and colour coded for most commonly used solvents
• Translucent with coloured closure
• High density polyethylene
• Comes with vented 38mm closure to prevent solvent drips
• 500mL capacity

Cat. No	Label	Closure colour	Pack qty
11745233	Acetone	Red	6
11755233	Bleach	White	6
11765233	Deionised water	Natural	6
11775233	Distilled water	Natural	6
11785233	Ethanol	Natural	6
11795233	Isopropanol	Yellow	6
11705243	Methanol	Green	6
11715243	Saline	Natural	6
11725243	Soap	Natural	6
11735243	Universal	Natural	6
11745243	Water Solvent	Natural	6
11765243	Cleaning	Natural	6

Wash bottle, Spray-Anywhere™

• Sprayer changes any bottle into a wash bottle, turns any reagent into a spray
• Chemical resistant and virtually unbreakable sprayer is made of polypropylene
• Ideal for hot, cold, aqueous, and solvent-based solutions
• The entire unit may be gas or chemically sterilised and is dishwasher-safe
• A cone-shaped universal adaptor bung fits virtually all glass, plastic, and metal containers, bottles, and flasks
• Fits inside diameters from 25.4mm to 35mm
• Tube diameter is 6.4mm
• Tube length is 813mm

Cat. No	Description	Pack qty
11724356	Spray-Anywhere™ adjustable sprayer	1

Wash bottles, adjustable spray

• For hot, cold, aqueous, and solvent based solutions
• Set to fine mist for TLC plates, position it to needle to rinse glassware, and pump a continuous, forceful jet on the big stream position for washing filters
• Instant off-trigger release eliminates messy drips
• Chemical-resistant and virtually unbreakable bottles are made of high-density polyethylene (HDPE), spray made of polypropylene (PP)
• Can be gas or chemically sterilised and cleaned in the laboratory dishwasher
• Zero contamination
• The double headed 1,000mL sized bottle has a side fill opening to help maintain purity of solutions

Cat. No	Description	Pack qty
11795873	Double-headed adjustable spray wash bottle 1,000mL	1
11714356	Adjustable spray wash bottle 240mL	3

Weighing boats, aluminium, disposable

• For general purpose weighing, dispensing, storage, food processing, evaporating, or drying. Also ideal as dust covers or sample holders
• Made from oil-free, light gauge aluminium

Cat. No	Size	Dimensions, [w x d], mm	Pack qty
11998084	Small	43 x 12	100
11908094	Medium	57 x 14	100
11918094	Large	70 x 16	100
11988084	Extra Large	108 x 8	50

Weighing boats, polystyrene, disposable

- Available as standard or anti-static
- Diamond or square shaped
- In black or white
- 5mL to 280mL capacity

Cat. No	Shape	Capacity, mL	Pack qty
Standard black			
12952850	Diamond	5	500
12962850	Diamond	30	500
12972850	Diamond	100	500
12982850	Square	10	500
12992850	Square	85	500
12902860	Square	280	500
Anti-static black			
12912860	Diamond	5	500
12922860	Diamond	30	500
12932860	Diamond	100	500
12942860	Square	10	500
12952860	Square	85	500
12962860	Square	280	500
Standard white			
12932840	Diamond	5	500
11573422	Diamond	30	500
12387552	Diamond	100	500
11593422	Square	10	500
11503432	Square	85	500
11513432	Square	280	500
Anti-static white			
12992840	Diamond	5	500
11533432	Diamond	30	500
11543432	Diamond	100	500
12922850	Square	10	500
11680302	Square	85	500
12608513	Square	280	500

SAFETY

Bench protectors

- Polyethylene backed 125g/m² absorbent paper
- Suitable to protect all types of laboratory work surfaces
- Available in both sheet or roll form

Cat. No	Dimensions	Pack qty
11527362	570mm x 460mm, sheets	100
11758722	460mm x 50m, roll	1
11714916	920mm x 50m, roll	1

NEW

Gloves, latex, disposable, PPE Category III

- Latex examination gloves provide a protective barrier and contain soothing Aloe vera to help prevent skin from drying, cracking and chapping
- Textured to provide excellent grip
- Powder free
- EN 374:2003 (AQL 1.5)

Cat. No	Size	Pack qty
15153269	S	100
15173269	M	100
15163269	L	100
15183269	XL	100

Gloves, nitrile, disposable, Aloe vera, PPE Category III

- Gloves feature a textured surface to provide ideal grip for dry and wet working conditions
- Aloe vera coating on the inner surface protects hands from drying, chapping and cracking, making this glove ideal for prolonged use
- Beaded cuff
- Mint green for easy identification

NEW

Cat. No	Size	Pack qty
15193269	S	100
15103279	M	100
15123279	L	100
15113279	XL	100

Laboratory coats, unisex

- Manufactured using a quality pre-shrunk polycotton fabric, it is suitable for industrial laundering at temperatures up to 85°C
- Features include, two lower patch pockets, breast pocket with integral pen pocket, concealed stud fastened front, single rear vent for ease of movement
- Non-PPE product

Cat. No	Size	Pack qty
11558102	S	1
11568102	M	1
11578102	L	1
11588102	XL	1
11598102	XXL	1
11508112	XXXL	1

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