

fisherbrand

Focus on **TRACEABLE™** Products

Keeping your research on track



For the Love of Science

General introduction

Like you, we constantly marvel at the wonders all around us, and within us, that deepen our devotion to the world of science



Like you, we constantly marvel at the wonders all around us, and within us, that deepen our devotion to the world of science. For over 50 years we've poured that same endless passion into creating and continually refining the Fisherbrand™ portfolio: value-packed products that make your lab life easier – every day when it matters most.

Partnering with industry-leading manufacturers allows us to deliver quality products that are just right for you across all the categories you use most:

- Lab Essentials
- Consumables
- Equipment and Instruments
- Safety



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 organic and inorganic 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 1000 products dedicated to molecular biology research, biochemistry and cellular biology. It is your single source for high purity products



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/go/fisherbrand

For the Love of Science

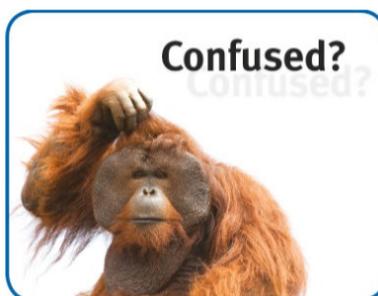
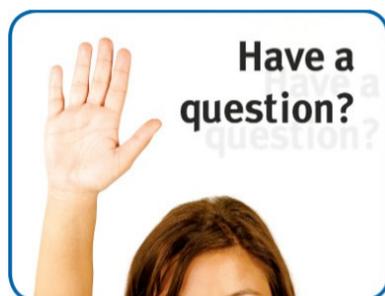
General introduction

Like you, we constantly marvel at the wonders all around us, and within us, that deepen our devotion to the world of science



This application brochure is dedicated to providing you with a comprehensive selection of key Fisherbrand Traceable™ thermometers, timers, stopwatches, clocks, hygrometers, conductivity/pH, barometers, lab tools, and also the new range of TraceableLIVE™ Remote Digital Monitors.. 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.

If, however, you are unable to find the right product or simply need some further information then please contact our Product Support Advisors.



Check out our Frequently Asked Questions

Contact our Product Support Advisors



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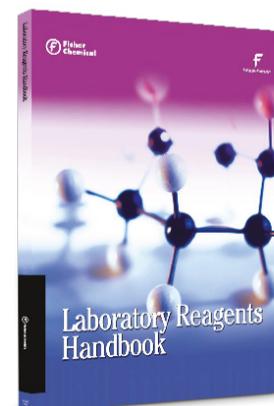


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Laboratory Reagents Handbook

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



Electronic version on www.eu.fishersci.com

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Introduction to Traceable™ Products

TraceableLIVE™ Remote Digital Monitors

Traceable™ Temperature Data Loggers

Traceable™ Thermometers

- Traceable™ Refrigerator/Freezer Thermometers
- Traceable™ Platinum and Stainless Steel Probe Thermometers
 - Traceable™ Thermometers, Platinum
 - Traceable™ Thermometers with Stainless Steel Probes
- Traceable™ Speciality, Type K and Infrared Thermometers
 - Traceable™ Thermometers, Speciality
 - Traceable™ Thermometers, Type K
 - Traceable™ Thermometers, Infrared

Traceable™ Humidity Meters

- Traceable™ Humidity Meters, Data-Logging
- Traceable™ Humidity Meters, Internal Sensors
- Traceable™ Humidity Meters, Probe Sensors
- Traceable™ Humidity Meters, Speciality

Traceable™ Barometers

Traceable™ Timers

- Traceable™ Timers, Four-Channel
- Traceable™ Timers, Three-Channel
- Traceable™ Timers, Two-Channel
- Traceable™ Timers, One-Channel

Traceable™ Stopwatches

Traceable™ Clocks

- Traceable™ Clocks, Digital
- Traceable™ Clocks, Digital Atomic
- Traceable™ Clocks, Analogue

Traceable™ pH/Conductivity Meters and pH Standards

- Traceable™ Conductivity Standards (CRM)
- Traceable™ pH Buffer Standards (CRM)
- Traceable™ pH/ORP Meters
- Traceable™ Conductivity Meters
- Traceable™ Conductivity/TDS/Salinity Pens

Traceable™ Lab Tools

- Traceable™ Digital Calipers
- Traceable™ SpatulaBalance™
- Traceable™ Manometer/Pressure/Vacuum Gauges

Frequently Asked Questions (FAQ's)

Introduction to Traceable™ products

Introduction to Traceable™ Products

All of these Traceable™ products are provided with a Traceable™ Calibration Certificate from an ISO/IEC 17025:2005 calibration laboratory.



Introduction to Traceable™ Products

Fisherbrand Traceable™ products include remote digital monitors, 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/IEC 17025:2005 calibration laboratory. 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. 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 include our proprietary Fisherbrand consumables and apparatus, and a comprehensive range of Fisher Chemicals. Whilst these products are not part of the Traceable™ range, they continue to demonstrate that at Fisher Scientific we are continually going that extra mile to deliver you essential products for your everyday laboratory needs.

Introduction to Traceable™ products

Traceable™
Certificate

All of these Traceable™ products are provided with a Traceable™ Calibration Certificate from an ISO/IEC 17025:2005 calibration laboratory.



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

Specifies **Test Uncertainty Ratio (TUR)** 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

Calibration certificate with ISO/IEC 17025, ANSI/INSL Z540-1, and 9001 Cert. No.: 6410-6232623

Traceable Certificate of Calibration for High-Accuracy Platinum Thermometer

Instrument Identification: Model: 1567070 S/N: 145630462 Manufacturer: Control Company

Serial Number	Due Date	NIST Traceable Reference
A4049	202115	10037174
A17118	312115	15-GJ734-1
120	202115	100381744
A25241	312115	15-GJ734-1-1
A17118	312115	100330708
3038	103115	84126645
AS227	202115	100387011
AS222	202115	2432012
AS27	822115	
819028	822115	
819015	822115	
0922	0922	

Standards/Equipment:

- Temperature Calibration Bath TC-119
- Thermistor Calibration Bath TC-101
- Temperature Calibration Bath TC-101
- Thermistor Calibration Bath TC-101
- Temperature Calibration Bath TC-101
- Digital Thermometer
- Platinum Resistance Thermometer
- Temperature Calibration Bath TC-101
- Digital Thermometer
- Thermistor Calibration Bath TC-101

Certificate Information: Test Conditions: Temperature: 25.5°C Humidity: 36.0 %RH Pressure: 1037 mBar

Units	As Found	In Test	Normal	As Left	In Test	Max	Min	TUR
°C	N.A.	0.00	±0.02	±0.02	Y	-0.10	-0.90	0.02
°C	N.A.	-0.00	±0.01	±0.01	Y	49.99	40.10	0.01
°C	N.A.	189.999	±0.02	±0.02	Y	189.95	189.15	0.03

Calibration Date: 09/20/14 Due Date: 02/22/16

Maintaining Accuracy: In our experience, platinum resistance thermometers should maintain their accuracy. There is no need to determine how long a unit can be used before recalibration. For more information, please contact our Technical Manager at 1-800-451-7839.

Recalibration: For factory calibration and recalibration, please contact our Technical Manager at 1-800-451-7839.

Signature: [Signature]

Signature: [Signature]

Monitoring Made Easy with Real-Time Text, E-mail and Push Alerts

Get Connected • Get Notified • Get  TraceableLIVE®

TraceableLIVE™ provides simple, digital monitoring of
Refrigerator/Freezers • ULT Freezers • Vaccines • Chemical Storerooms • Liquid Nitrogen Storage
• Controlled Warehouses



TraceableLIVE™ Wi-Fi Connected Digital Data Loggers with Real-Time Alerts

- Monitor locally or remotely temperature, barometric pressure, relative humidity, CO2 and more—connects to existing Wi-Fi
- Alerts: temperature alarm connectivity interruption, low battery
- °C/°F switchable
- Cloud-based applications—no local software requires; web, Android, iOS data visibility
- Receive mobile Push/e-mail/text notifications
- To access data and remote notifications requires TraceableLIVE™ subscription
- Continuous data transmission & monitoring using SSL-encrypted secure connection
- Unlimited scalability—use TraceableLIVE™ in individual labs or an entire network of facilities
- Multiple point accredited temperature calibration—traceable to NIST
- Supplied: Quick Start Guide, batteries, magnets, Velcro™, wall mount, Traceable™ Certificate



TraceableLIVE™ cloud-based system monitors your **CRITICAL ENVIRONMENTS** and lets you know if anything goes wrong by sending you a text, e-mail, or Push alert .

When you can't be there, TraceableLIVE™ **ALERTS YOU** via your smartphone, tablet, or computer at any time, anywhere...

Once the setup is complete you can:

- Set alarm parameters on device remotely
- View current conditions anywhere
- Generate data reports in real time
- Assign user access for the whole team



TraceableLIVE™ subscription costs through traceablelive.com

No. of devices	Monthly	Annually	SMS (Text) - Add on
1-9 devices	\$8.99/device	\$100/device	+\$2 per device/month
10+ devices	\$7.20/device	\$80/device	+\$2 per device/month





TraceableLIVE™ provides simple, digital remote monitoring of freezers, fridges, LN2 dewars, storerooms and other controlled environments direct to your smartphone or tablet



TraceableLIVE™ Wi-Fi Datalogging Refrigerator/Freezer Thermometer with Remote Notification

The simple, efficient, and reliable way to stay connected to your critical cold storage environments through a smartphone, tablet or personal computer

- Monitor temperature and more either locally or remotely — connect to existing Wi-Fi
- Alerts: temperature alarm, connectivity interruption, low battery
- Cloud-based data interface means no local software required; web, Android, Apple IOS data visibility
- Continuous data transmission and monitoring using SSL encrypted secure connection
- Receive mobile Push/e-mail/text notifications
- Unlimited scalability — use TraceableLIVE™ in individual labs or an entire network of facilities
- Multiple-point temperature calibration — traceable to NIST

	Range	Resolution	Accuracy	Probe
15611904	-50°C to +60°C	0.01°C	±0.25°C	Two bottle probes (patented)
15621904	-50°C to +60°C	0.01°C	±0.25°C	One bottle probe and one Bullet™
15631904	-50°C to +60°C	0.01°C	±0.25°C	Two Bullet™ probes
15641904	-50°C to +60°C	0.01°C	±0.25°C	Two stainless steel probes



TraceableLIVE™ Ultra-Low Temperature WiFi Data Logging Thermometer with Remote Notification

The simple, efficient, and reliable way to stay connected to your critical ULT storage environments with smartphone, tablet or personal computer

- Remotely monitor temperature and more by connecting to existing WiFi
- Alerts: temperature alarm, connectivity interruption, low battery
- Cloud-based data interface that requires no local software; web, Android, Apple IOS data visibility
- Continuous data transmission and monitoring using SSL encrypted secure connection
- Receive mobile Push/e-mail/text notifications
- Unlimited scalability — use TraceableLIVE™ in individual labs or an entire network of facilities
- Multiple-point temperature calibration traceable to NIST

	Range	Resolution	Accuracy	Probe
15651904	-90°C to +105°C	0.01°C	±0.1°C	One stainless steel 316 probe
15661904	-90°C to +105°C	0.01°C	±0.1°C	Two stainless steel 316 probes

TraceableLIVE™



TraceableLIVE™ provides simple, digital remote monitoring of freezers, fridges, LN2 dewars, storerooms and other controlled environments direct to your smartphone or tablet

TraceableLIVE™ Liquid Nitrogen WiFi Data Logging Thermometer with Remote Notification



A simple, efficient, and reliable way to stay connected to your critical LN2 storage environments with smartphone, tablet or personal computer

- Works with any liquid nitrogen/cryogenic storage dewar
- Remotely monitor temperature and more by connecting to existing WiFi
- Alerts: temperature alarm, connectivity interruption, low battery
- Cloud-based data interface that requires no local software; web, Android, Apple iOS data visibility
- Continuous data transmission and monitoring using SSL encrypted secure connection
- Receive mobile Push/e-mail/text notifications
- Unlimited scalability — use TraceableLIVE™ in individual labs or an entire network of facilities
- Multiple-point temperature calibration traceable to NIST

	Range	Resolution	Accuracy	Probe
15809076	-200°C to +105°C	0.01°	±0.25°C	One stainless steel 316 probe

TraceableLIVE™ WiFi Datalogging Hygrometer/Thermometer with Remote Notification



A simple, efficient, and reliable way to stay connected to your critical humidity-controlled environments with your smartphone, tablet or personal computer

- Monitor temperature, humidity and more
- Monitor locally or remotely; devices connect to existing WiFi
- Alerts: humidity alarm, temperature, lost connectivity, low battery
- Cloud-based applications, which means no local software installation required; web, Android, iOS interfaces
- Receive mobile Push/e-mail/text notifications
- Continuous data transmission & monitoring using SSL encrypted secure connection
- Unlimited scalability—use TraceableLIVE™ in individual labs or an entire network of facilities
- Accredited multiple-point humidity calibration—traceable to NIST
- Requires TraceableLIVE™ subscription

	Range	Resolution	Accuracy
15214016	Humidity: 0 to 100% RH	0.01%	±3% RH [20 to 80] ±5% RH otherwise
	Temperature: 0 to 50°C	0.01°C	±0.4°C



TraceableLIVE™ provides simple, digital remote monitoring of freezers, fridges, LN2 dewars, storerooms and other controlled environments direct to your smartphone or tablet



TraceableLIVE™ WiFi Data Logging Barometric Pressure Monitor with Remote Notification



The simple, efficient, and reliable way to stay connected to your critical environments

- Monitor remotely barometric pressure, temperature and humidity in your critical environments - devices connect to existing WiFi
- Alerts: high and low boundaries for monitored parameters, connectivity interruption, low battery
- Secure SSL-encrypted data transmission
- Alarm notifications available via mobile Push, e-mail and SMS text message
- Unlimited scalability: use TraceableLIVE™ in individual environments or an entire network of facilities
- Multiple point calibration traceable to NIST
- TraceableLIVE™ subscription required

	Parameters	Range	Accuracy	Resolution	Probes
11782146	Barometric Pressure	500 to 1100 millibars (mb)	±4 mbar	1 mbar	One ambient 'dongle' sensor
	Temperature	0 to 55°C	±0.4°C	0.01°C	
	Humidity	0 to 100% RH (non-condensing)	±3% RH (5-75%), otherwise ±5% RH	0.01% RH	

TraceableLIVE™ Data Logging CO₂ Meter

Perfect for monitoring CO₂, temperature and relative humidity in growth chambers, greenhouses, micro labs, biofuel research and other environments

- Ambient unit with 'dongle' sensor—place entire unit inside a greenhouse or other environment
- Alerts: CO₂, temperature, RH alarm, connectivity interruption, low battery
- Cloud-based applications—no software required
- Continuous data transmission and monitoring using SSL encrypted secure connection
- Multiple point accredited calibration — traceable to NIST
- TraceableLIVE™ subscription required

	Parameters	Range	Accuracy	Resolution	Probes
15668085	CO ₂	0 to 10,000ppm	4% reading + 100ppm	1ppm	One ambient sensor
	Temperature	0 to 50°C	±0.4°C	0.01°C	
	Humidity	0 to 95% (non-condensing)	±3% RH (5-75%), otherwise ±5% RH	0.01% RH	
15678085	CO ₂	0 to 20%	4% reading + 1% full scale	0.01%	One remote sensor on a 91cm cable
	Temperature	0 to 50°C	±0.4°C	0.01°C	
	Humidity	0 to 95% (non-condensing)	±3% RH (5-75%), otherwise ±5% RH	0.01% RH	



15678085

15668085

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



Traceable™ Temperature Data Loggers

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 are achieved.

Most 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, all without any operator intervention. Accessories, which are included as standard, enable Traceable™ Data Loggers to be placed on a wall or benchtop 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) is a particularly useful product within the Fisherbrand series of Traceable™ Temperature Data Loggers. It is a stand-alone unit with data logging capabilities 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 monitors 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; models with stainless steel probes are designed for more demanding applications, especially in QC and research. Models are also available with 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 verifying that the unit has been properly calibrated to give reliable results. Use the selection guide below to help you choose the right data-logging thermometer for your particular application.

Selection Guide for Traceable™ Data Logging Thermometers

Probe	Length probe	Length cable	Range	Resolution	Accuracy	Waterproof	Battery (Cat. No)	Alarm	Display Min/Max	Traceable™ Certificate supplied	
15294016	One bottle	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15204026	Two bottle	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15214026	One Bullet™	19mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15224026	Two Bullet™	19mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15234026	One bottle and one Bullet™	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15244026	One stainless steel	159mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15388754	Two stainless steel	159mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15264026	One bottle	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15274026	Two bottle	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15284026	One Bullet™	19mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15294026	Two Bullet™	19mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15204036	One bottle and one Bullet™	63mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15214036	One stainless steel	159mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15224036	Two stainless steel	159mm	3m	-50 to 70°C	0.01°C	±0.25°C	Probe and cable	15348754	Yes	Yes	Yes
15560765	One stainless steel	159mm	3m	-90 to 105°C	0.01°C	±0.2°C	Probe and cable	15348754	Yes	Yes	Yes
15570765	Two stainless steel	159mm	3m	-90 to 105°C	0.01°C	±0.2°C	Probe and cable	15348754	Yes	Yes	Yes
15580765	One stainless steel	159mm	3m	-90 to 105°C	0.01°C	±0.2°C	Probe and cable	15348754	Yes	Yes	Yes
15590765	Two stainless steel	159mm	3m	-90 to 105°C	0.01°C	±0.2°C	Probe and cable	15348754	Yes	Yes	Yes
15398754	Internal	N/A	N/A	-35 to 50°C	0.1°C	±0.2°C between 0 and 10°C, ±1°C elsewhere	Entire unit	CR2016 3V lithium coin cell	Yes	Yes	Yes
13557070	One bottle	63mm	2m	-30 to 70°C	0.1°C	±0.6°C	Probe and cable	15358754	Yes	Yes	Yes
13587070	One stainless steel	25mm	2m	-30 to 70°C	0.1°C	±0.6°C	Probe and cable	15358754	Yes	Yes	Yes

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



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



	Range	Resolution	Accuracy	Probe
15294016	-50 to 70°C	0.01°C	±0.25°C	One bottle
15204026	-50 to 70°C	0.01°C	±0.25°C	Two bottles
15214026	-50 to 70°C	0.01°C	±0.25°C	One Bullet™
15224026	-50 to 70°C	0.01°C	±0.25°C	Two Bullets™
15234026	-50 to 70°C	0.01°C	±0.25°C	One bottle & Bullet™
15244026	-50 to 70°C	0.01°C	±0.25°C	One stainless steel
15388754	-50 to 70°C	0.01°C	±0.25°C	Two stainless steel

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

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



	Range	Resolution	Accuracy	Probe
15264026	-50 to 70°C	0.01°C	±0.25°C	One bottle
15274026	-50 to 70°C	0.01°C	±0.25°C	Two bottles
15284026	-50 to 70°C	0.01°C	±0.25°C	One Bullet™
15294026	-50 to 70°C	0.01°C	±0.25°C	Two Bullets™
15204036	-50 to 70°C	0.01°C	±0.25°C	One bottle & Bullet™
15214036	-50 to 70°C	0.01°C	±0.25°C	One stainless steel
15224036	-50 to 70°C	0.01°C	±0.25°C	Two stainless steel

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



Traceable™ Excursion-Trac™ Ultra-Low Temperature USB Datalogging Refrigerator/Freezer Thermometer

Datalogging thermometers with user-defined time intervals

- Stores up to ten unique alarm events
- Meets current CDC requirements for vaccine storage and monitoring
- Rolling memory structure, maintains most recent 525,600 temperature observations
- Memory can be cleared on unit after downloading data to USB stick
- Trouble-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
- Traceable to NIST for accuracy

	Range	Resolution	Accuracy	Probe
15560765	-90°C to +105°C	0.01°C	±0.2°C	One probe, 159mm stem x 3.17mm diameter, 3m cable
15570765	-90°C to +105°C	0.01°C	±0.2°C	Two probes, both 159mm stem x 3.17mm diameter, 3m cable



Traceable™ Memory-Loc™ Ultra-Low Temperature USB Datalogging Refrigerator/Freezer Thermometer

Datalogging thermometers that can be used in 21 CFR 11 environments

- Data-logging thermometer with fixed one-minute timing intervals
- Meets current CDC requirements and additional recommendations for vaccine storage and monitoring
- Can be used in 21CFR 11 environments, raw data is locked and cannot be cleared or changed on base unit
- Stores up to ten 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
- Traceable to NIST for accuracy

	Range	Resolution	Accuracy	Probe
15580765	-90°C to +105°C	0.01°C	±0.2°C	One probe, 159mm stem x 3.17mm diameter, 3m cable
15590765	-90°C to +105°C	0.01°C	±0.2°C	Two probes, both 159mm stem x 3.17mm diameter, 3m cable

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



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

	Range	Resolution	Accuracy
15398754	-35°C to 50°C	0.1°C	±0.2°C from 0 to 10°C, ±1°C otherwise

Accessories

15308764	Logger-Trac™ protective paper sleeves (100/pk)
15338764	Logger-Trac™ cradle/cable
15348764	MaxiThermal™ software

Traceable™ Memory-Card Refrigerator/Freezer Data Logging Thermometer

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



13557070



13587070

- 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

	Probe range	Resolution	Accuracy	Probe
13557070	-30°C to 70°C	0.1°C	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C; ±1.2°C from -30°C to 0°C and 50°C to 70°C	Bottle (patented)
13587070	-30°C to 70°C	0.1°C	±0.5°C from 0°C to 25°C; ±0.6°C from 25°C to 70°C; ±1.2°C from -30°C to 0°C and 50°C to 70°C	Stainless steel

Traceable Thermometers

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™ Refrigerator/Freezer Thermometers

All Fisherbrand Traceable™ Refrigerator/Freezer Thermometers are individually certified verifying that they have been properly calibrated to give trusted results. Use the selection guide below to help you choose the right thermometer for your particular application.

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

	Probe	Length probe	Length cable	Range	Resolution	Accuracy	Waterproof	Battery (Cat. No)	Alarm	Display Min/Max	Traceable™ Certificate supplied
11715853	One bottle	63mm	3m	-50 to 70°C	0.01°C	±0.3°C	Probe/cable	15348754	Yes	Yes	Yes
11725853	Two bottles	63mm	3m	-50 to 70°C	0.01°C	±0.3°C	Probe/cable	15358754	Yes	Yes	Yes
11735853	Waterproof 19mmx5mm	19mm	3m	-50 to 70°C	0.01°C	±0.3°C	Probe/cable	15348754	Yes	Yes	Yes
15507593	One bottle	33mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15517593	Two bottles	33mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15527593	One bullet	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15537593	Two bullet	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15547593	One bottle and one bullet	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15557593	One vaccine bottle	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
15567593	Two vaccine bottles	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11799735	One bullet	63mm	3m	-50 to 70°C	1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11873460	One bottle	19mm	3m	-50 to 70°C	1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11749745	One vaccine bottle	33mm	3m	-50 to 70°C	1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11709755	One bullet	63mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11705853	One bottle	19mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11715863	One vaccine bottle	33mm	3m	-50 to 70°C	0.1°C	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
13577070	One bottle	19mm	3m	-50 to 70°C	0.01°	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
13507080	One bullet	63mm	3m	-100 to 70°C	0.01°	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
13567070	One bullet	63mm	3m	-50 to 70°C	0.01°	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
13597070	One stainless steel	63mm	3m	-100 to 199.99°C	0.01°	±0.5°C	Probe/cable	15348754	Yes	Yes	Yes
11785843	Waterproof 19mmx5mm	19mm	3m	-50 to 70°C	1°C	±1°C	Probe/cable	15338754	No	Yes	Yes
11765853	One bottle	63mm	3m	-50 to 70°C	1°C	±1°C	Probe/cable	15338754	No	Yes	Yes
12641395	One vaccine bottle	33mm	3m	-50 to 70°C	1°C	±1°C	Probe/cable	15338754	No	Yes	Yes
11705863	One bottle	63mm	3m	-50 to 70°C	0.1°C	±1°C	Probe/cable	15348754	Yes	Yes	Yes
11709745	One bottle (glycol)	63mm	N/A	-30 to 70°C	0.1°C	±1°C	Entire unit	15338754	No	Yes	Yes
11729745	One bottle (beads)	63mm	N/A	-30 to 70°C	0.1°C	±1°C	Entire unit	15338754	No	Yes	Yes

Traceable Thermometers

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™ High-Accuracy Refrigerator/Freezer Thermometer

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



- Reads to 0.01°C 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°C 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

	Range	Resolution	Accuracy	Probe
11715853	-50 to 70°C	0.01°	±0.30°C	One bottle probe
11725853	-50 to 70°C	0.01°	±0.30°C	Two bottle probes
11735853	-50 to 70°C	0.01°	±0.30°C	Two chemical-resistant, waterproof Bullet™ probes 19mm x 5mm

Traceable™ Refrigerator/Freezer Ultra™ 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

	Range	Resolution	Accuracy	Probe
15507593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	One bottle probe
15517593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	Two bottle probes
15527593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	One bullet probe
15537593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	Two bullet probes
15547593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	One bottle and one bullet probe
15557593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	1 x 5mL vaccine bottle probe
15567593	-50 to +70°C	0.1°C	±0.5°C between -30° to +50°C, otherwise ±1°C	2 x 5mL vaccine bottle probes

Traceable Thermometers

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™ 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 enclosed temperature-buffered sensor
- Bottle probes 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

	Range	Resolution	Accuracy	Probe
11799735	-50 to 70°C	1°C	±1°C	One Bullet™ probe 19mm x 5mm waterproof and chemically resistant
11873460	-50 to 70°C	1°C	±1°C	Bottle designed for refrigerator/freezer applications
11749745	-50 to 70°C	1°C	±1°C	5mL vaccine bottle mimics vaccine temperature and fits in tray

Traceable™ Refrigerator/Freezer Plus™ Thermometer

Temperature-buffered bottle probes 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

	Range	Resolution	Accuracy	Probe
11709755	-50°C to 70°C	0.1°C	±0.5°C	One Bullet™ probe 19mm x 5mm waterproof and chemically resistant
11705853	-50°C to 70°C	0.1°C	±0.5°C	Bottle (patented) specifically for refrigerator/freezer applications
11715863	-50°C to 70°C	0.1°C	±0.5°C	5mL vaccine bottle mimics vaccine temperature and fits in tray

Traceable Thermometers

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™ Platinum High-Accuracy Refrigerator/Freezer Thermometer

Stores in memory and displays minimum/maximum readings for last 24 hours (each hour), seven days (each day) or last 31 days (each day)

- High/low alarm
- Time/Date stamp key shows the exact time and date for all minimum and maximum readings
- Resolution and accuracy fulfil precise measurements for refrigerators/freezers
- Sealed bottle with GRAS (generally recognised as safe) materials is insulated from rapid temperature changes when door is opened
- Refrigerator/freezer door closes and seals tightly around micro-thin cable
- Triple display shows current °C/°F and minimum/maximum temperatures
- Alarm can be set in 0.1° increments and signals when temperature rises above or falls below set points
- Visual LEDs and audible alarm signals continuously even if temperature returns to non-alarm range

	Range	Resolution	Accuracy	Probe
13577070	-50°C to 70°C	0.01°C	±0.1°C	Bottle (patented) specifically for refrigerator/freezer applications
13507080	-100.00°C to 199.99°C	0.01°C	±0.1°C	Waterproof short probe 18.8mm x 4.74mm
13567070	-50°C to 70°C	0.01°C	±0.1°C	Waterproof short probe 18.8mm x 4.74mm
13597070	-100.00°C to 199.99°C	0.01°C	±0.1°C	Handle probe platinum/stainless steel, stem 229mm x 3.3mm, 3m cable

Traceable Thermometers

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™ Sentry™ Thermometer

Simple one-key reset operation resets MIN/MAX memories



11785843



11765853

12641395

- 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

	Range	Resolution	Accuracy	Probe
11785843	-50°C to 70°C	1°C	±1°C	5mm diameter and 19mm long
11765853	-50°C to 70°C	1°C	±1°C	Bottle designed for refrigerator/freezer applications (patented)
12641395	-50°C to 70°C	1°C	±1°C	5mL vaccine bottle mimics vaccine temperature and fits in tray

Traceable™ Jumbo Refrigerator/Freezer Thermometer

Jumbo LCD simultaneously shows 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

	Range	Resolution	Accuracy	Probe
11705863	-50°C to 70°C	0.1°C	±1°C	Bottle designed for refrigerator/freezer applications (patented)

Traceable Thermometers

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™ 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
- °C/°F switchable
- Supplied with battery, holder, double-backed tape, Velcro™, Traceable™ Certificate

	Range	Resolution	Accuracy	Probe
11709745	-30°C to 50°C	0.1°C	±1.0°C between -20°C to 85°C	Glycol-filled bottle
11729745	-30°C to 50°C	0.1°C	±1.0°C between -20°C to 85°C	Glass bead-filled bottle

Traceable Thermometers

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™ Platinum and Stainless Steel Probe Thermometers

All Fisherbrand Traceable™ Platinum and Stainless Steel Probe Thermometers are individually certified verifying that the thermometer has been properly calibrated to give reliable results. Use the selection guide below to help you choose the right platinum-stainless steel probe thermometer for your particular application.

Selection Guide for Traceable™ Platinum and Stainless Steel Probe Thermometers

	Probe Dimensions	Range	Resolution	Accuracy (°C)	Waterproof	Battery (Cat. No)	Alarm	Display Min/Max	Traceable™ Certificate supplied
15234016	Stem 160mm x 3.3mm, 1.8m cable	-200 to 500°C	0.0001°C	±0.05°C	No	15318754	No	Yes	Yes
15244016	Stem 149mm x 3.3mm, 2.7m cable	-100 to 200°C	0.0001°C	±0.05°C	No	15318754	No	Yes	Yes
11705843	Stem 60mm x 3.2mm, 150cm cable	-50 to 150°C	0.0001°C	±0.05°C	Probe only	15318754	No	Yes	Yes
15570765	Stem 279mm	-90 to 105°C	0.01°C	±0.1°C	Probe only	15338754	Yes	Yes	Yes
15580765	Stem 159mm x 3.17mm, One probe with 3m cable	-90 to 105°C	0.01°C	±0.2°C	Probe only	15338754	Yes	Yes	Yes
15590765	Stem 159mm x 3.17mm, Two probes with 3m cable	-90 to 105°C	0.01°C	±0.2°C	Probe only	15338754	Yes	Yes	Yes
15763327	Stem 159mm x 3.17mm, One probe with 3m cable	-200.00 to 105.00°C	0.01°C	±0.25°C	Probe only	15338754	Yes	Yes	Yes
15773327	Stem 149mm, Two probes with 3m cable	-200.00 to 105.00°C	0.01°C	±0.25°C	Probe only	15338754	Yes	Yes	Yes
11729765	Stem 152mm x 2.54mm, 1m cable	-50 to 400°C	0.01°C	±0.1% + 0.2°C	Probe only	15318754	No	No	Yes
11739765	Stem 76mm x 4mm, 3m cable	-99 to 200°C	0.1°C	±2°C	Probe only	15318754	No	No	Yes
11799725	Stem 190mm x 3.5mm	-50 to 300°C	0.1°C	±1°C	Probe only	15338754	Yes	Yes	Yes
11749725	Stem 178mm x 3.5mm, 457mm	-50 to 150°C	0.1°C	±1°C	Probe only	15338754	No	No	Yes
11715843	Stem 184mm x 3.5mm, 114mm	-50 to 300°C	0.1°C	±1°C	Entire unit	15328754	No	Yes	Yes
11785853	Stem 184mm x 3.5mm, 203mm	-50 to 300°C	0.1°C	±1°C	Entire unit	15338754	No	Yes	Yes
11799715	Stem 203mm	-50 to 300°C	0.1°C	±0.4°C at tested points	Entire unit	15338754	No	Yes	Yes
11799705	Stem 203mm	-50 to 150°C	0.1°C	±1°C	Probe only	15338754	No	No	Yes
11719715	Stem 203mm	-50 to 150°C	0.1°C	±0.2°C	Probe only	15338754	No	No	Yes
11729715	Stem 203mm	-50 to 300°C	0.1°C	±1°C	Probe only	15338754	No	No	Yes
11739715	Stem 279mm	-50 to 300°C	0.1°C	±0.5°C	Probe only	15338754	No	No	Yes

Traceable Thermometers

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, Platinum



15234016



15244016

Traceable™ Platinum Ultra-Accurate Digital Thermometer

Most accurate thermometer available with 0.0001°C 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

	Unit range	Probe range	Resolution	Accuracy	Platinum RTD stainless steel probe
15234016	-200 to 500°C	-200 to 500°C	0.0001°C	±0.05°C or 0.05% between -80 to 290°C	Handheld probe, 160mm stem, 3.3mm diameter, 1.8m cable
15244016	-200 to 500°C	-100 to 200°C	0.0001°C	±0.05°C or 0.05% between -80 to 290°C	Standard probe, 149mm stem, 3.3mm diameter, 2.7m cable

Accessories

15254016	Replacement platinum RTD stainless steel handheld probe
15264016	Replacement platinum RTD stainless steel standard 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

	Range	Resolution	Accuracy	Probe
11705843	-50 to 150°C (-58 to 302°F)	0.001°C	± 0.5°C between 0°C and 100°C	Stem 60mm x 3.2mm, 150cm cable

Accessories

11704286	Data acquisition kit, comprising accessory data cable with communication software, parallel to serial converter and a.c. adapter
15223996	Replacement probe

Traceable Thermometers

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™ Excursion-Trac™ Ultra-Low Temperature USB Datalogging Refrigerator/Freezer Thermometer

Stores in memory and displays minimum/maximum readings for last 24 hours (each hour), seven days (each day) or last 31 days (each day)



- High/ Low alarm
- Time/Date stamp key shows the exact time and date for all minimum and maximum readings
- Hassle-free retrieval of data—unit can remain in use while downloading/analysing data
- Recorded data (CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if the unit returns to non-alarm conditions
- Durable platinum RTD sensor, 316 stainlesssteel with 3m cable
- Triple display shows current °C/°F and minimum/maximum temperatures
- Alarm can be set in 0.1° increments and signals when temperature rises above or falls below set points

	Range	Resolution	Accuracy	Probe
15570765	-90°C to +105°C	0.01°C	±0.1°C	Platinum RTD stainless-steel

Traceable™ Memory-Loc™ Ultra-Low Temperature USB Datalogging Refrigerator/Freezer Thermometer

Datalogging ultra-low thermometers track, download and analyse data



- Use in 21 CFR 11 environments, raw data is locked and may not be cleared/changed on base unit
- Allows user-defined logging interval from one observation/minute to one observation/24 hours
- Smart-Alarm™ features a visual/audible alarm that continues to alarm even if the unit returns to non-alarm conditions
- 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

	Range	Resolution	Accuracy	Probe
15580765	-90°C to +105°C	0.01°C	±0.2°C	One 316 stainless steel probe with platinum RTD sensor
15590765	-90°C to +105°C	0.01°C	±0.2°C	Two 316 stainless steel probes with platinum RTD sensors

Traceable Thermometers

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™ LN2 Memory-Loc™ Liquid Nitrogen Datalogging Thermometer

Datalogging thermometers with user-defined time intervals



- Best for monitoring your cryo needs for sensitive biologicals
- Hassle-free retrieval of data—unit can remain in use while downloading/analysing data
- Recorded data (CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Smart-Alarm™ features a visual/audible alarm that continues to function even if the unit returns to non-alarm conditions
- Durable platinum RTD sensors, 316 stainless steel with 3m cable
- Multiple calibration points (-196°C, -80°C, 0°C and 100°C)

	Description	Temperature Range	Resolution	Accuracy	Data Overwrite	Memory	Probe
15763327	Memory-Loc™	-200°C to 105°C	0.01°C	±0.25°C	No	1,051,200 data points	One 316 stainless steel probe with platinum RTD sensor
15773327							Two 316 stainless steel probes with platinum RTD sensors

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Traceable™ RTD Waterproof Platinum Thermometer

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

- Real-time response RTD platinum probe, water-resistant IP67, HACCP, countdown timer & hold
- MIN/MAX readings, and high alarm
- Green/Red dual colour backlight to indicate HACCP temperature hazards
- Computer output allows thermometer to be connected to a computer or data logger
- Supplied: batteries, probe, hard carrying case, stainless steel probe holder, Traceable® Certificate

	Range	Resolution	Accuracy	Probe
11729765	-100°C to 300°C	0.01°C	±0.15°C	152mm stem, 2.54mm diameter, 1m cable
Accessories				
12744078	Replacement probe for RTD Waterproof Platinum Thermometer			
11714286	DAS-3 Data Acquisition System, includes CD, USB cable & connectors for up to eight instruments			
15826741	Easy-Use power supply adapter			



Traceable™ -100°C Platinum Freezer Thermometer

Fast-response RTD platinum probe with thin microcable 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

	Range	Resolution	Accuracy	Probe
11739765	-99°C to 199.9°C	0.1°C	±2°C	76mm probe, 4mm diameter, 3m cable length

Traceable Thermometers

Traceable™
Thermometers

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Basic 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

	Range	Resolution	Accuracy	Probe
11799725	-50 to 300°C	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

	Range	Resolution	Accuracy	Probe
11749725	-50 to 150°C	0.1°C	±1.0°C	3.5mm diameter, 178mm length, 457mm cable

Traceable Thermometers

Traceable™
Thermometers

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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, 6.4mm high LCD digits may be read with a glance
- Supplied with battery, probe, cable, suction cups, magnet, Velcro™ strips, Traceable™ Certificate

	Range	Resolution	Accuracy	Probe
11715843	-50°C to 300°C	0.1°C	±1°C between -20 and 100°C	3.5mm diameter, 184mm length, 914mm cable

Traceable Thermometers

Traceable™
Thermometers

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Traceable™ 'Lollipop' Thermometer with Stainless Steel Probe

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

	Range	Resolution	Accuracy
11785853	-50 to 300°C	0.1° from -20 to 200°C; or 1°C elsewhere	±1°C
11799715	-50 to 300°C	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

	Range	Resolution	Accuracy	Stem length	Overall length
11799705	-50°C to 150°C		±1°C	203mm	279mm
11719715	-50°C to 150°C	0.1°C from -20 to 200° (1°C otherwise)	±0.2°C at tested points	203mm	279mm
11729715	-50°C to 150°C		±1°C	279mm	356mm
11739715	-50°C to 150°C		±0.5°C at tested points	279mm	356mm

Traceable Thermometers

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™ Speciality, Type K and Infrared Thermometers

All Fisherbrand Traceable™ speciality, Type K and infrared thermometers are individually certified verifying that the thermometer has been properly calibrated to give trusted results. Use the guide below to help choose the right thermometer for your particular application.

Selection Guide for Traceable™ Speciality, Type K and Infrared Thermometers

	Range	Resolution	Accuracy	Probe length	Waterproof	Battery (Cat. No)	Alarm	Display Min/Max	Traceable™ Certificate supplied
15283996	-50 to 150°C	0.1°C	±1°C	127mm	Entire unit	15338754	No	Yes	Yes
15293996	-50 to 150°C	0.1°C	±1°C	N/A	Entire unit	15338754	No	Yes	Yes
11775853	Infrared sensor -55 to 250°C	0.2°C between -10 and 200°C; otherwise 1°	±0.6°C between -5 and 65°C	N/A	N/A	15348754	No	Yes	Yes
	Piercing, stainless steel sensor -55 to 330°C	0.2°C between -10 and 200°C; otherwise 1°	±0.5°C	152mm	Probe only	15348754	No	Yes	
11759755	-50 to 70°C	0.2°C	±1°C	3m	Probe/cable	15348754	No	Yes	Yes
11709795	-28 to 38°C	N/A	±1°C	N/A	N/A	15358754	No	No	Yes
11719795	-28 to 38°C	N/A	±1°C	N/A	N/A	15358754	No	No	Yes
11749765	-200 to 1370°C	0.1°C and 1%	±1°C	6mm	Cable only	15348754	Yes	Yes	Yes
11789765	-200 to 1300°C	0.1°C and 1%	±0.3% +1°C	6mm	Cable only	15348754	No	Yes	Yes
11729785	-60 to 500°C	0.1°C	±2°C or 2%	N/A	N/A	15338754	No	No	Yes
11779785	-50 to 1000°C	0.1°C	±1.5% + 2°C	N/A	N/A	15348754	No	No	Yes
11709785	-33 to 220°C	0.1°C	±1°C + 2%	N/A	N/A	15348754	No	No	Yes

Traceable Thermometers

Traceable™ Thermometers

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Traceable™ Thermometers, Speciality



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

	Range	Resolution	Accuracy	Includes
15283996	-50°C to 150°C	0.1°C	±1°C between -20 to 150°C	Stainless steel probe
15293996	-50°C to 150°C	0.1°C	±1°C between -20 to 150°C	Dishwasher clip



Traceable™ Waterproof Food HACCP Thermometer

Versatile, no-touch infrared and piercing probe combination create the 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

	Sensor	Range	Resolution	Accuracy
11775853	Infrared	-55 to 250°C	0.2°C between -10°C and 200°C ; 1°C elsewhere	±0.6°C between -5°C to 65°C
	Piercing, stainless-steel	-55°C to 330°C		±0.5°C

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™ 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

	External probe range	Ambient sensor range	Resolution	Accuracy
11759755	-50°C to 70°C	-5°C to 50°C	0.1°C	±1°C

Traceable™ Disposable Temperature Recorder

Provides a permanent record – 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
- Accuracy is ±1°C
- 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

	Description
11709795	Traceable™ Disposable Temperature Strip-Chart Recorder, 10 Days
11719795	Traceable™ Disposable Temperature Strip-Chart Recorder, 40 Days

Traceable Thermometers

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, Type K



Traceable™ Total-Range Thermometer

Water-resistant design is perfect for use in lab or workplace'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

	Range	Resolution	Accuracy
11749765	-200°C to 1370°C	0.1°C and 1°C	±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

	Range	Resolution	Accuracy
11789765	-200°C to 1300°C	0.1°C and 1°C	±0.3% of reading + 1°C between -200°C to 1000°C, otherwise 0.5% of reading + 1°C

Traceable Thermometers

Traceable™
Thermometers

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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

	Range	Resolution	Accuracy	Field of view
11729785	-60°C to 500°C	0.1°C	±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

	Range	Resolution	Accuracy	Field of view
11779785	-50°C to 1000°C	0.1°C to 200°C, 1° over 200°C	±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

	Range	Resolution	Accuracy
11709785	-33°C to 220°C	0.1°C	±1°C +2%

Traceable™ Humidity Meters

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



Traceable™ Humidity Meters and Hygrometers

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

Accessories, which are included as standard, allow 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 help you choose the right Traceable™ Humidity Meter for your particular application, please refer to the selection guide below.

Selection Guide for Traceable Humidity Meters

Features	Relative humidity range	Resolution (RH)	Accuracy (RH)	Temperature range	Resolution (temp.)	Accuracy (temp.)	Battery (Cat. No, Type)	Traceable™ Certificate supplied	
15681904	WiFi RH Monitoring	0.0 to 100% RH	0.01% RH	±3% RH	0 to 60°C	0.1°C	±0.4°C	15318754	Yes
15710049	USB data download	0.0 to 95.0% RH	0.1% RH	3% RH	0 to 65°C	0.1°C	±0.4°C	15318754	Yes
15214016	Dataogger with memory card	0 to 90% RH	0.1% RH	±5% RH	0 to 50°C	0.1°C	±1°C	15318754	Yes
15318764	Portable RH data logger	0 to 100 % RH	0.1% RH	3% RH	-29°C to 72°C	0.1°C	±0.2°C	CR2016 3V	Yes
11765843	Dual min/max memories	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°C	±1°C	15348754	Yes
11714196									
11725843	View time, temp and humidity	20 to 90% RH	1% RH	±5% RH	0 to 50°C	0.1°C	±1°C	15348754	Yes
11755843	Response time of 10 seconds	5 to 95% RH	0.01% RH	±1.5% RH	-40°C to 104°C	0.01°C	±0.4°C	15318754	Yes
11745843	Also reads dew point	10 to 95% RH	0.01% RH	±1.5% RH	-40°C to 104°C	0.01°C	±0.4°C	15318754	Yes
11597443	Computer output	10 to 95% RH	0.1% RH	±2% RH	-18°C to 93°C	0.1°C	±1°C	15318754	Yes
11724196	Dew point and wet-bulb monitor	1 to 99% RH	0.1% RH	±4% RH	-40°C to 70°C	0.1°C	±1°C	15348754	Yes
15264006	RH alarm and reads dew point	1 to 99% RH	1% RH	±3% RH	-10°C to 60°C	1°C	±1°C	15348754	Yes
11782146	Humidity card	0 to 100% RH	10% RH	±5% RH	N/A	N/A	N/A	N/A	Yes

Traceable™ Humidity Meters

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



Traceable™ Data Logging Humidity Meters



TraceableLIVE™ WiFi Data Logging Hygrometer/Thermometer with Remote Notification

Stay connected to your lab with your smartphone, tablet or personal computer

- Monitor temperature, humidity and more
- Monitor locally or remotely; devices connect to existing WiFi
- Alerts: humidity alarm, temperature, lost connectivity, low battery
- Cloud-based applications, which means no local software installation required; web, Android, iOS interfaces
- Receive mobile push/email/text notifications
- Continuous data transmission & monitoring using SSL encrypted secure connection
- Unlimited scalability—use TraceableLIVE™ in individual labs or an entire network of facilities
- Accredited multiple-point humidity calibration—traceable to NIST
- Requires TraceableLIVE™ subscription

	Humidity range	Temperature range	Resolution
15681904	0.0 to 100% RH	0 to 60°C	0.01%

Traceable™ and Memory-Loc™ Datalogging Hygrometers

Perfect for hoods, storerooms, cleanrooms and other environments

- Unit has both ambient and external sensors that both measure humidity and temperature readings
- Stores up to 30 unique alarm events
- Recorded data (CSV file) may be transferred from thermometer to PC or Mac using a USB flash drive—no additional software needed
- Hassle-free retrieval of data—unit can remain in use while downloading/analysing data



	Description	Parameter	Range	Accuracy	Resolution	Data Overwrite	Memory
15710049	Memory-Loc™	Ambient Humidity	0.0 to 95.0% RH (non-condensing)	3% RH (5 to 75%), ±5% RH otherwise	0.1% RH	No	688,086 datapoints
		Humidity		±0.4°C	0.1°C		
		Ambient Temperature	0.0 to 65.0°C				

Traceable™ Humidity Meters

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Humidity Meters

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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

	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°C to 50.0°C with 0.1°C resolution
	Temperature: 0 to 50°C	0.1°C	±1°C	

Traceable™ Logger-Trac™ RH/Temperature Data Logger

Record and download humidity and temperature readings in any environment



- Humidity and temperature datalogger 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

	Range (temp.)	Resolution (temp)	Accuracy (temp.)	Resolution (RH)	Accuracy (RH)
15318764	-29°C to 72°C	0.1°C	±0.2°C from 0°C to 10°C, 0.5°C elsewhere	0.1% RH	Accuracy: ±3% from 25 to 75% RH, ±5% elsewhere

Accessories

15348764	MaxiThermal™ software
15358764	Logger-Trac™ USB cable

Traceable™ Humidity Meters

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



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

	Range	Resolution	Accuracy	Features
11765843	Humidity: 25 to 95% RH Temperature: 0 to 50°C	1% 1°C	±2% RH mid-range to ±4% RH elsewhere ±1°C	MIN/MAX memory

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/Lo alarm feature may be set by user in 1% RH or 1°C 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

	Range	Resolution	Accuracy
11714196	Humidity: 20 to 99% RH Ambient sensor temperature: 0 to 50°C External sensor temperature: -50 to 70°C	1% 0.1°C 1°C	±5% RH midrange ±1°C ±1°C

Traceable™ Humidity Meters

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



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

	Range	Resolution	Accuracy	Size/Weight
11725843	Time: 12/24 hours	1 minute	0.01%	108mm x 57mm x 6mm
	Temp: 0 to 50°C	0.1°C	±1°C	71g
	Humidity: 20 to 90% RH	1%	±5% RH midrange, otherwise ±8% RH	

Traceable™ Humidity Meters

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



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
- Supplied with computer output, battery, Traceable™ Certificate



11745843



11755843

	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°C to 104°C	-	0.01°C	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew point: -40°C to 60°C	-	0.01°C	-	
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°C	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew point: -40 to 60°C (-40 to 140°F)	-	0.01°C	-	

Accessories

11704286	Data acquisition system, includes CD and 1.8m USB cable
15368764	AC adaptor, international

Traceable™ Memory Hygrometer/Thermometer

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

- Microprocessor-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



	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 accuracy ±1°C between 0 and 40°C, ±2°C elsewhere

Traceable™ Humidity Meters

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



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

	Range	Resolution	Accuracy
11724196	Humidity: 1 to 99% RH	0.1%	±4% between 20 to 80% RH
	Temperature: -40°C to 70°C	0.1°C below 100°C	±1°C

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

	Range	Resolution	Accuracy	Dew point
15264006	Humidity: 1 to 99% RH	0.1%	±3% mid-range, ±5% elsewhere	-10°C
	Ambient Temperature: -10°C to 60°C	0.1°C	±1°C	to 60°C

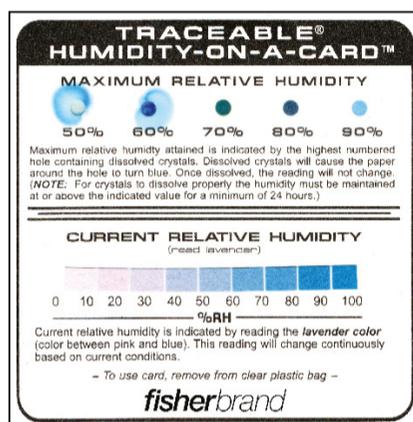
Traceable™ Humidity Meters

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



Traceable™ Humidity Indicators, Speciality



Traceable™ Humidity-on-a-Card™

Colour changes from pink to dark blue 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

	Range	Resolution	Accuracy	Size	Pack qty
11782146	Humidity: 0 to 100% RH	10% RH	±5% RH at 24°C	100mm x 100mm	6

Traceable™ Barometers

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



Traceable™ Barometers

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

Amongst this range, the Traceable™ Hygrometer/Thermometer/Barometer/Dew Point Pen 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 workplace environments.

The Traceable™ Workstation Barometer with Clock 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).



TraceableLIVE™ WiFi Datalogging Barometric Pressure Meter, with Remote Notification

The simple, efficient, and reliable way to stay connected to your critical environments

- Monitor remotely your critical environments - devices connect to existing WiFi
- Alerts: high and low boundaries for monitored parameters, connectivity interruption, low battery
- No local software installation required; live data visibility via web browser or iOS/Android mobile
- Secure SSL-encrypted data transmission
- Alarm notifications available via mobile push, email and SMS text message
- Unlimited scalability: use TraceableLIVE™ in individual environments or an entire network of facilities
- Multiple point calibration traceable to NIST
- TraceableLIVE subscription required

	Parameters	Range	Accuracy	Resolution	Probes
11782146	Barometric Pressure	500 to 1100 millibars (mbar)	±4 mbar	1 mbar	1 ambient 'dongle' sensor
	Temperature	0 to 55°C	±0.4°C	0.01°C	
	Humidity	0 to 100% RH (non-condensing)	±3% RH (5-75%), otherwise ±5% RH	0.01% RH	

Traceable™ Barometers

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



Traceable™ Digital Barometer

Perfect unit for workplaces and labs to monitor barometric pressure, temperature, relative humidity, barometric pressure trend and time-of-day

- A four-line LCD continuously and simultaneously shows barometric pressure, temperature, relative humidity, barometric pressure trend and time
- Altitude adjustment: -100 to 2500 meters
- MIN/MAX readings for barometric pressure, temperature and relative humidity are stored every hour for the last 24 hours and are available for recall at the touch of a button
- Barometric pressure trend shows bar-chart format of the current and past 1/3/6/12 and 24 hour readings
- Computer output allows unit to be connected to a computer using the accessory data acquisition software (sold separately, Cat. No 15567603) to permanently capture the readings

	Function	Range	Resolution	Accuracy
15557603	Humidity	5 to 95% RH	1% RH	±3% RH between 5 to 75%, otherwise ±5% RH
	Temperature	0° to 55°C	0.1°C	±0.4°C

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



Traceable™ Timers, Stopwatches and Clocks

Timers and stopwatches are essential instruments for the accurate measurement of time intervals, durations and countdowns in many time-critical laboratory procedures.

Traceable™ Timers

The comprehensive selection of Fisherbrand Traceable™ timers have been designed to meet a broad range of requirements for accurate and reliable time measurement in the laboratory. No test is too long nor 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
- 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
- The Extra, Extra Large Digit Timer (Cat. No 15204016) which is ideal for viewing at a great distance

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

Timer Selection Chart

	Features	Channels	Accuracy	Maximum time	Resolution	Battery (Cat. No)	Clock	Memory	Traceable™ Certificate supplied
11745863	Four-channel countdown/up	4	0.01%	100 hours	1 second	15338754	Yes	Yes	Yes
11784426	Personalise your timer	4	0.01%	100 hours	1 second	15338754	Yes	Yes	Yes
11725863	Continuous alarm	3	0.01%	100 hours	1 second	15348754	Yes	Yes	Yes
11705873	Triple display	3	0.01%	20 hours	1 second	15348754	Yes	Yes	Yes
11597453	Triple display	3	0.01%	100 hours	1 second	15338754	Yes	Yes	Yes
11749795	Visual and audible alarms	2	0.01%	100 hours	1 second	15348754	No	Yes	Yes
11745759	Adjustable display	2	0.01%	24 hours	1 second	15348754	Yes	Yes	Yes
11755863	Two-channel countdown/up	2	0.01%	24 hours	1 second	15338754	Yes	Yes	Yes
12695296	Ultra-compact	2	0.01%	24 hours	1 second	15338754	Yes	Yes	Yes
11739795	Visual and audible alarms	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes
15204016	Extra-large digits	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes
11765863	Jumbo digits	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes
11795863	Numbered keys	1	0.01%	100 hours	1 second	15338754	Yes	Yes	Yes
11789795	Innovative design	1	0.01%	24 hours	1 second	15358754	Yes	Yes	Yes
11775873	Instant recall memory	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes
11799795	Automatic memory	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes
11765873	Clips to everything	1	0.01%	100 hours	1 second	15338754	No	Yes	Yes
11729805	Water resistant	1	0.01%	100 minutes	1 second	15338754	No	Yes	Yes
11715873	Easy three key operation	1	0.01%	20 hours	1 minute	15348754	No	No	Yes
15516619	Audible, flashing and vibrating	1	0.01%	20 hours	1 second	15348754	No	Yes	Yes
15359433	Waterproof & steamproof	1	0.01%	100 minutes	1 second	15348754	No	Yes	Yes

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



Traceable™ Big-Digit Four-Channel Timer/Stopwatch

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

Description

11745863 Traceable™ Four-Channel Alarm Timer

Traceable™ Multi-Coloured™ Timer

Customisable bold colours for individual identification



- 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

Description

11784426 Traceable™ Multi-Coloured™ Timer

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



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 continuously
- Timing capacity: 99 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, Traceable™ Certificate

Description

11725863	Traceable™ Three-Channel Alarm Timer
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Traceable™ Triple-Display Timer

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

- Features: count up/down, time in/out, memory, alarm, stopwatch, 12/24-hour clock
- Perfect timer for dedicating to a test requiring several independent time measurements
- Unique memory returns channel to previously programmed setting at touch of a key
- When zero is reached, distinct alarm sounds and 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

Description

11705873	Traceable™ Triple-Display Timer
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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



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

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

Description

11749795 Traceable™ Flashing LED Big-Digit Dual Channel Timer

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



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

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

Description

11755863 Traceable™ Two-Memory Timer

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



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
- Compact size at only 63mm x 51mm x 22mm
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied with battery, magnetic back, Traceable™ Certificate
- Compact size at only 63mm x 51mm x 22mm

Description

12695296	Traceable™ Nano™ Timer
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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



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

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

Description

15204016 Traceable™ Extra, Extra Large Digit Countdown Timer

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



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

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

Description

11795863 Traceable™ 100-Hour Mini-Alarm Timer/Stopwatch

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



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

Description

11789795	Traceable™ Lab-Top Timer
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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



Traceable™ Instant-Recall Memory Timer

Always-ready timer delivers accurate results for your 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

Description

11775873 Traceable™ Instant-Recall Memory Timer



Traceable™ 99m/59s Timer

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

- Features: count 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

Description

11799795 Traceable™ 99M/59S Timer

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



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

Description

11765873 Traceable™ Clip-It™ Timer

Traceable™ Water-Resistant Flashing Timer

Splash-proof, water-resistant timer is ideal for wet labs, wash-down areas, manufacturing 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

Description

11729805 Traceable™ Water-Resistant, Flashing Timer

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



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

Description

11715873 Traceable™ QC timer

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



Traceable™ Vibrating Timer

Pocket-sized timer vibrates and flashes when time's up



- Three alarm modes: audible, flashing, and vibrating
- Countdown and alarms on single channel
- Automatic Bounceback™ memory for repetitive timing
- Counts up during alarming indicating elapsed time since alarming
- Settable to one second with one-second resolution
- Counts up in stopwatch mode
- Magnetic back and stand/spring-clip

Description

15516619 Traceable™ Traceable Vibrating Timer

Traceable™ Waterproof/Steam-proof Timer

Affix this timer anywhere using removable suction cup



- Features: countdown/up, memory recall, waterproof, steamproof
- Ideal for use in wash-down areas, wet labs, manufacturing plants or field work
- Impressive memory remembers most-recently-programmed setting for recurring lab experiments
- Timing capacity: 99 minutes, 59 seconds
- Resolution: 1 second
- Accuracy: 0.01%
- Supplied: stand, removable suction-cup, battery, Traceable™ Certificate

Description

15359433 Traceable™ Waterproof/Steam-Proof Timer

The Fisherbrand range of Traceable™ stopwatches are ideal for research, industrial, clinical or educational environments



Traceable™ Stopwatches

The Fisherbrand range of Traceable™ Stopwatches are made for scientists in research, industrial, clinical or educational environments who insist on the finest precision instruments for their work. 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 verifying that the instrument has been properly calibrated to give trusted results. Use the selection guide below to help you choose the right stopwatch for your particular application.

Stopwatch Selection Chart

	Features	Timing functions (see below)	Timing capacity	Accuracy	Resolution	Traceable™ Certificate supplied
15233966	Big digits	A, B, C, D	24 hours	0.0035%	1/100 second	Yes
11755833	Water-resistant	A, B, C, D	24 hours	0.010%	1/100 second	Yes
11765833	Disposable	A, B, C, D	24 hours	0.1%	1/100 second	Yes
11799815	Big digits	A, B, C, D	24 hours	0.001%	1/100 second	Yes

Timing Functions

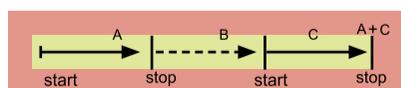
- A** Single action timing: Pressing start key begins timing, a second press stops clock. Time-Out/Time-In: Records total elapsed.



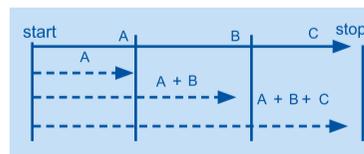
- C** Continuous timing: Digits offer a continuous display. When maximum display is reached, digits rollover to zero and automatically begin timing again. Permits timing for hours, days, or weeks.



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



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



Traceable™ Stopwatches

Traceable™
Stopwatches

The Fisherbrand range of Traceable™ stopwatches are ideal for research, industrial, clinical or educational environments



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 industrial use
- Timing capacity: 23 hours, 59 minutes, 59 seconds
- Resolution: 0.01 second
- Accuracy: 0.0035%
- Supplied with battery, lanyard, Traceable™ Certificate

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%
- Supplied with battery, key-chain, Traceable™ Certificate

Description

11755833 Traceable™ Water-resistant/Shockproof Stopwatch

Traceable™ Stopwatches

Traceable™ Stopwatches

The Fisherbrand range of Traceable™ stopwatches are ideal for research, industrial, clinical or educational environments



Traceable™ Three-Key Stopwatch

Has a rugged ABS plastic case

- Features: single action, time out, cumulative split, and continuous roll over 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%
- Supplied with battery, lanyard, Traceable™ Certificate

Description

11765833 Traceable™ Three-Key Stopwatch



Traceable™ Jumbo-Digit Stopwatch

Largest digits (12mm high) provide ease in reading

- Ideal for lab and factory use
- Time-of-day alarm
- Times to 24 hours
- Unit features single-action, time-out, cumulative-split, and continuous timing
- Timing range is 23 hours, 59 minutes, 59 seconds
- Resolution is 1/100 second for the first 30 minutes and 1 second thereafter
- Accuracy is 0.001%

Description

11799815 Traceable™ Jumbo-Digit Stopwatch

Traceable™ Clocks

Traceable™
Clocks

Fisherbrand Traceable™ Clocks are the ideal, static time-keeper for any lab, office, or work environment



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 analogue, 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. They receive a radio signal from the atomic clocks in Ansteth, United Kingdom and Mainflingen in Hessen, Germany, providing you with the exact time accredited to national standards.

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

	Feature parameters	Resolution	Accuracy	Size/Weight
11795833	Time: 12/24 hour clock	1 minute	0.01%	235mm x 254mm, 539g
	Temp: -5°C to 50°C	0.1°C	N/A	

Fisherbrand Traceable™ Clocks are the ideal, static time-keeper for any lab, office, or work environment



Traceable™ Clocks, Analogue



Traceable™ 'Blue is Good' Atomic 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

	Time feature	Resolution	Accuracy	Size/Weight
11744426	Traceable 'Blue is Good' atomic clock	1 minute	0.01%	318mm 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

	Feature parameters	Resolution	Accuracy	Size/Weight
11785833	Time: AM/PM clock	1 second	0.01%	318mm diameter, 453g
	Temp: -20°C to 55°C	1°C	N/A	
	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 40mm diameter x 8mm 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

	Description
11745833	Traceable™ Stick-It™ Mini-Clock

Traceable™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards



Traceable™ Conductivity Standards and pH Buffers

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 470mL bottles, as well as One-Shot™ packaging which is convenient for single-use and also 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)



Cat. No
11764246

Cat. No
11744226

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 as a 473mL (16 ounce) bottle, 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 $\pm 0.25\%$
- Supplied as six single-use 100mL standards per container, step-by-step calibration instructions, individual temperature compensation charts, traceability information, Traceable™ Certificate



Traceable™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards

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 473mL bottle	Cat. No Individually Tested 473mL bottle	Cat. No 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™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards



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
- Each pack is supplied with an individual temperature compensation chart, traceability information and a Traceable™ Certificate



11744256 11774256 11754256 11784256



11764256 11794256

pH Value

Pack qty

11744256	4.005	1 x 473mL (16oz) bottle
11754256	7.000	
11764256	10.012	
11774256	4.005	100mL
11784256	7.000	One-Shot™
11794256	10.012	(six pack)



Triple-layered packaging

Aluminium foil, PET and low-density polyethylene bag—prevents contamination by permeable gases and provides two-year shelf life.

Traceable™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards



Traceable™ pH/Conductivity Meters



Traceable™ pH/ORP Meter

Designed for water quality applications, this meter takes the guesswork out of measurements

- Compact instrument fits in the palm of your hand
- Range 0-14 pH, Accuracy: ± 0.02 pH
- 25 point memory storage with time/date stamp
- Waterproof (IP67)
- Triple display shows pH or ORP measurement, temperature and time/date
- Ideal for wastewater, water quality and environmental applications

	Description	Range (pH)	Accuracy (pH)	Accuracy (Temperature)
15577583	4277 Traceable™ pH/ORP Meter	0 to 14	± 0.02 pH	$\pm 1^\circ\text{C}$



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

	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	$\pm 1.0\%$ +1 digit
	TDS	0.00 to 9.99ppm; 0.0 to 99.9ppm; 0 to 999ppm; 0 to 9.99ppt; 0 to 99.9ppt	

Traceable™ Conductivity Standards and pH Buffers are all designated as 'CRM', or Certified Reference Material, standards



Traceable™ Conductivity/TDS/Salinity Pens

Easiest units 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 to eliminate 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

	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	0.0 to 50.0°C	0.0 to 50.0°C
Temperature resolution	0.1°C	0.1°C	0.1°C
Temperature accuracy	±0.5°C	±0.5°C	±0.5°C
Settable temp. coefficient	0.0 to 4.0% per °C	0.0 to 4.0% per °C	–
Automatic temp. compensation	20°C and 25°C	20°C and 25°C	25°C
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

Traceable™ Lab Tools

Fisherbrand range of Traceable™ Lab Tools includes Traceable™ Digital Calipers, Traceable™ SpatulaBalance™ and Traceable™ Manometer/Pressure/Vacuum Gauges



Traceable™ Lab Tools and Pressure Gauges

The 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.

Related products are also available from the wider Fisherbrand portfolio, including items such as counter-pens and tally counters (ideal for counting cells and samples), Labtool II™, a stainless steel, pocket-size multi-tool gadget featuring fourteen tools in one, and a range of permanent markers pens which write on all surfaces including glass, film, wood, plastic, metal, rubber and porcelain.

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/H₂O, inch/H₂O, feet/H₂O, 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 $\pm 0.3\%$ of full scale between 0 and 50°C, range is -776 to 776mmHg
- 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

Description

11764206 Traceable™ Manometer/Pressure/Vacuum Gauge

Fisherbrand range of Traceable™ Lab Tools includes Traceable™ Digital Calipers, Traceable™ SpatulaBalance™ and Traceable™ Manometer/Vacuum Gauges



Traceable™ Digital Calipers

Ideal for measuring inside diameter, outside diameter and depth

- Designed for laboratory use, measures in inches and millimetres
- 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, and runs on the supplied battery for 10,000 hours
- Supplied with carrying case, battery, Traceable™ Certificate



	11783217	11727927	11777105	11787105
Material	Stainless steel		Carbon fibre	
Measuring range	0-150mm	0-200mm	0-100mm	0-150mm
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	229mm x 76mm	280mm x 76mm	178mm x 63mm	241mm x 76mm
Weight	142g	170g	28g	57g

Accessories

15338754	Replacement battery
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Traceable™ SpatulaBalance™

Unique spatula both scoops material and displays weight

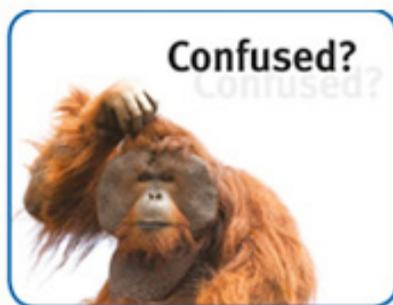
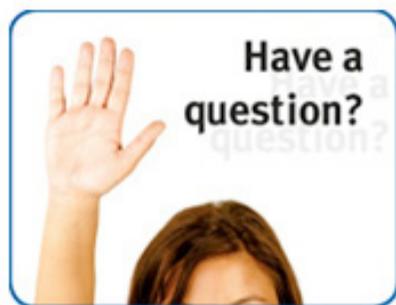
- Three position soft touch keys in the handle tares (sets to zero), holds (freezes display) and changes grams to ounces
- Scoop detaches from balance for dishwasher-safe cleaning
- Markings on see-through scoop that comes as standard with the SpatulaBalance™ are graduated from 5 to 30mL in 5mL increments 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



	Range	Resolution	Accuracy	Scoop capacity
11744416	0 to 300g	0.1g	±0.2g or ±0.25%	30mL

Accessories

15388764	30mL replacement scoop (graduated from 5mL to 30mL in 5mL increments)
15398764	Large, 40mL scoop (graduated at 20mL and 40mL)



Technical Resources

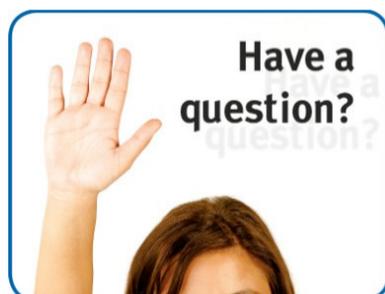
Here to give you a helping hand!

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 our Traceable™ range 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.



Check out our Frequently Asked Questions

Contact our Product Support Advisors



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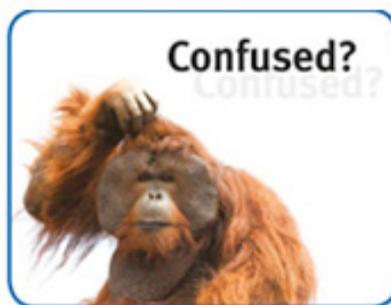
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FAQ's – Traceable™ Products

Q. What is Traceable™ ?

A. In the context of measurement science, traceability is 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 exists 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, because 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. Instrument accuracy is assessed by comparison with a known temperature. Since it is very unlikely that any instrument can be entirely accurate, it is usually accompanied by a reference to a tolerance value. Tolerance indicates the margin of inaccuracy that is inherent in the instrument. For example, an instrument that has an accuracy rating of $\pm 1^{\circ}\text{C}$ means that the unit's display can show up to 1°C higher or 1°C lower than the real 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 magnitude that is shown on the display. So, an instrument that has a 0.1°C resolution means that it will read to the nearest 0.1°C (for example, 8.6°C) on the display, whereas an instrument with a 1°C resolution will only read to the nearest 1°C (for example, 9°C).

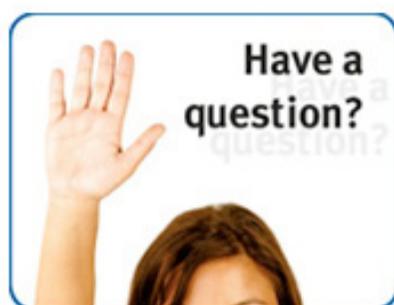
Q. If I replace the battery on my Traceable™ Timer do I need to recalibrate it?

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.

Frequently Asked Questions (FAQ's)



Q. When a thermometer display 'shows MIN/MAX', what does this mean? Also, what does HI/LO and IN/OUT mean?

A. MIN/MAX are the lowest and highest actual temperatures recorded since the thermometer's memory was last cleared. MIN/MAX therefore is NOT a settable feature. However, on several units, you can programme HI and LO alarms, such that if the measured temperature falls 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 locations; 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 in refrigerators where the door is likely to be opened on a regular basis. The actual temperature probe is sealed inside a small bottle, recording and mimicking conditions inside actual sample vials, tubes or other containers stored alongside, rather than just the air temperature inside the refrigerator. The vaccine probe uses a similar concept, but is of similar dimensions to most vaccine bottles. This helps to give a more accurate determination of the temperature of the vaccine being stored.

Q. What are the Traceable™ bottle thermometer probes normally 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 temperature 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. The tested calibration points for these models are typically 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 might need replacing. In most cases, simply changing the battery will allow the unit to begin functioning normally.

Q. I have two thermometers that are showing different temperatures. Is there something wrong with them?

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 across them, and yet be considered within specification. For example, when comparing two identical thermometers that have a ±0.1°C accuracy, they can display temperatures that are up to 2°C different. However, when comparing temperatures made with two thermometers it is important that the type of probes that you are comparing are equivalent.

Frequently Asked Questions (FAQ's)

