



# FULL PRODUCT CATALOGUE



Specialists in the design & manufacture of  
temperature measuring equipment since 1983



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Must have for any barista  
8 models available  
**DIGITAL MILK THERMOMETER**  
**NEW** page 27

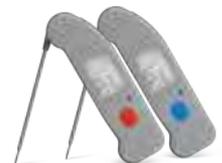
Versatile, folding-probe thermometer - 3 colours available

**SIZZLE THERMOMETER**  
**NEW** page 29



Track core temperatures from your device  
**RFX® MEAT & GATEWAY**  
**NEW** pages 40 & 41

Fast, accurate, *bluetooth®*-enabled thermometer  
**THERMAPEN® ONE BLUE THERMOMETER**  
**NEW MODELS** page 59



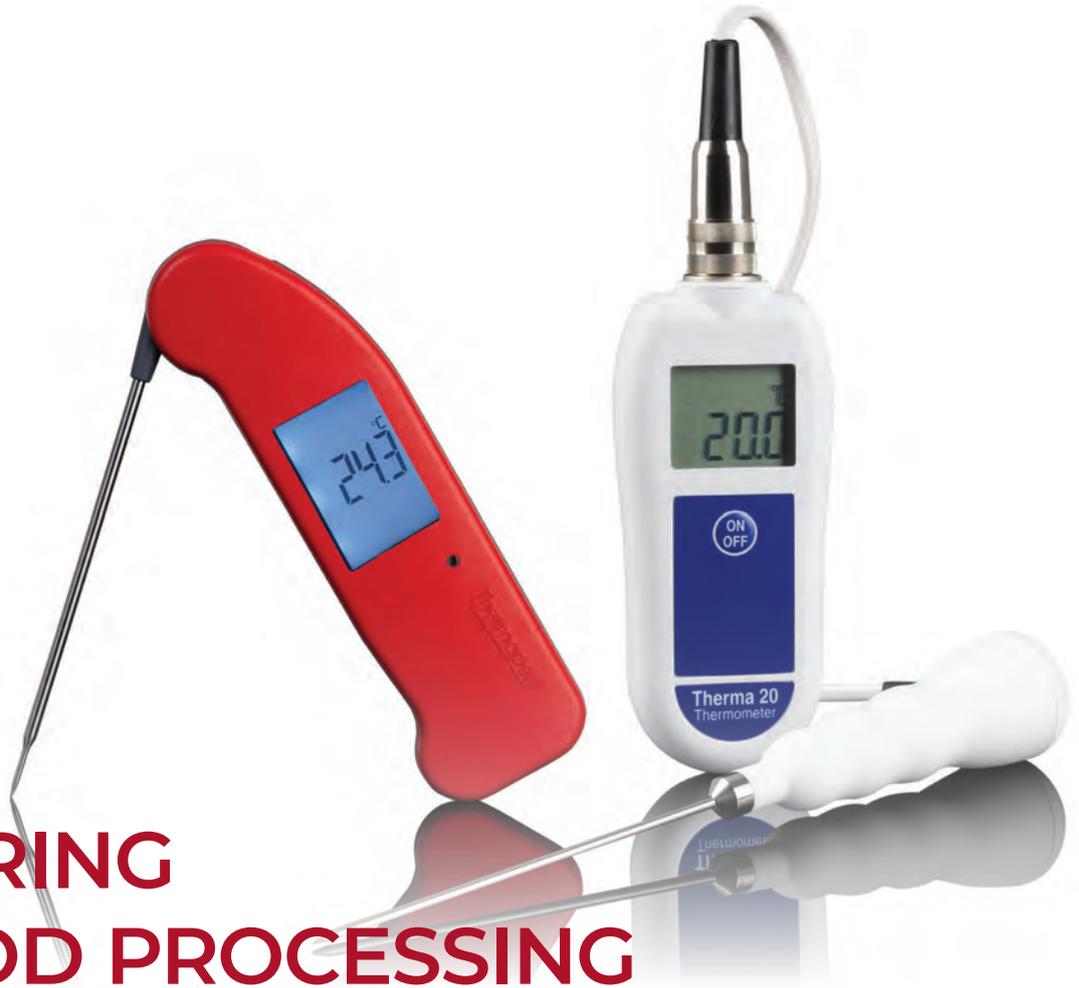
New intuitive 360° rotating extended display  
**TEMPTTEST® PLUS BLUE THERMOMETER**  
**NEW** page 62

Simple, smart, subscription-free HACCP software  
**THERMADATA® HUB SOFTWARE**  
pages 66 & 67



**HACCP**  
These products help you achieve a HACCP compliant system

# CATERING & FOOD PROCESSING



## THERMOMETERS FOR FOOD

Monitoring food temperatures is a daily requirement for any food business to ensure customer safety. Finding the best thermometer for your application will help to make these checks faster, easier and more accurate.

### SAFE FOOD TEMPERATURES

All individuals responsible for food preparation should be aware of the Danger Zone. This is the optimal temperature range where harmful bacteria thrive, between 8 and 63 °C.

When storing, cooking and serving food, it's essential to prevent food from entering the Danger Zone for long periods, or it must be thrown away. Please visit our website for more information on food safety temperatures.

### HACCP TEMPERATURES

Any food business in the UK is legally required to have a food safety management system that is based on the principles of HACCP (Hazard Analysis & Critical Control Point). Within this, there are several key areas where food temperatures should be monitored to reduce the risk of harmful bacteria:

**Deliveries** - monitoring the temperature of chilled incoming goods

**Food storage** - ensuring cold foods do not enter the danger zone

**Food preparation** - cooking or reheating food to a safe temperature

**Food service** - hot holding food at safe temperatures and for the correct length of time

## THERMOMETERS FOR HACCP

We offer a wide range of food thermometers and probes suitable for different applications, budgets and requirements. The main features to consider when choosing a thermometer are:

**Accuracy** - the potential margin for error

**Speed** - how many seconds a reading will take

**Range** - the highest and lowest temperatures required

**Resolution** - the number of decimal places on the display

It's also important to select a design that is functional for your applications. For harsh food processing environments, it can be useful to have a robust and waterproof casing. For busy restaurants, a hold function can make taking recordings easier.



Products with this icon help you achieve a HACCP compliant system

# THERMAPEN® ONE THERMOMETER

- Reaches temperature in just ONE second
- 5-year guarantee
- Waterproof to IP67
- Auto-intelligent backlit display

The Thermapen ONE is the ultimate kitchen thermometer. Quick, accurate and easy-to-use, measuring temperature over the range of -49.9 to 299.9 °C.

## Unrivalled speed and accuracy

The Thermapen One is currently the fastest instant-read thermometer on the market, reading temperatures in just one second. Accurate to  $\pm 0.3$  °C (-19.9 to 119.9 °C)  $\pm 0.4$  °C (-49.9 to 199.9 °C) otherwise  $\pm 1.0$  °C.

## Designed for kitchen professionals

Designed using industry leading thermocouple technology, the Thermapen One features a patented self-rotating display that can be used with either hand in any position. Its intelligent backlit display is improved with a cool white LCD that senses varying light levels, automatically turning the backlight on and off. The unit also comes with a motion-sensing sleep mode that maximises battery life by automatically turning the device on and off when set down or picked up. Powered by a single AAA battery, the device has a life expectancy of 2,000 hours in normal use, without the backlight. Both low battery (icon) and open circuit indication are displayed, when applicable. The casing is washable and includes Biomaster product protection that reduces bacterial growth.

The Thermapen One is waterproof to IP67 and incorporates a reduced tip, stainless steel, penetration probe that conveniently folds back through 180° into the side of the instrument when not in use.

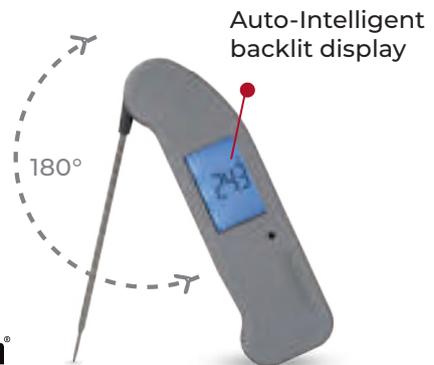
Each Thermapen One is supplied with a FREE traceable certificate of calibration and 5-year guarantee.



Patented 360° auto-rotating display

- Improved  $\pm 0.3$  °C accuracy

ONE second response time due to improved thermocouple technology



Auto-Intelligent backlit display



model available see page 59

ACCESSORIES see page 7

Order code	Description
235-407	Thermapen One - grey
235-417	Thermapen One - white
235-427	Thermapen One - yellow
235-437	Thermapen One - green
235-447	Thermapen One - red
235-457	Thermapen One - blue
235-477	Thermapen One - black
235-487	Thermapen One - orange
235-497	Thermapen One - pink
235-507	Thermapen One - purple
830-130	Thermapen pouch - charcoal grey
830-131	Thermapen pouch - beige
830-140	Thermapen holster - charcoal grey
830-141	Thermapen holster - beige
830-455	Silicone cover - glow in the dark
830-470	Thermapen magnetic band with lanyard
832-002	Stainless steel wall bracket



Specification	Thermapen One
Range	-49.9 to 299.9 °C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	$\pm 0.3$ °C (-19.9 to 119.9 °C) $\pm 0.4$ °C (-49.9 to 199.9 °C) otherwise $\pm 1.0$ °C
Battery	1 x 1.5 volt AAA
Battery life	2,000 hours (without backlight)
Sensor type	K thermocouple
Display	14.3 mm (horizontal) & 11.85 mm (vertical) LCD
Dimensions	19.3 x 48.2 x 156.2 mm
Weight	115 grams
FREE traceable certificate of calibration included	

# THERMAPEN® CLASSIC THERMOMETER

- Over 50 % faster than traditional probes
- Reaches temperature in just 3 seconds
- FREE traceable certificate of calibration
- Lightweight and easy-to-use

The Thermapen Classic thermometer incorporates a large digital display with a precise read-out of temperature over the range of -49.9 to 299.9 °C with a 0.1 °C resolution and an accuracy of ±0.4 °C. The resolution can be switched to 1 °C, if required, via a switch in the battery compartment. The thermometer will power off automatically after ten minutes, maximising battery life. This feature can be disabled if not required.

The casing is washable and includes Biomaster product protection that reduces bacterial growth and the ergonomic rubber seal minimises the risk of the ingress of water, dust or food. The Thermapen Classic also benefits from being splashproof. The true temperature of a product can be tested in just three seconds. The Thermapen Classic incorporates a reduced tip, stainless steel, food penetration probe (Ø3.3 x 115 mm) that conveniently folds back through 180° into the side of the instrument when not in use.

Both low battery (icon) and open circuit indication are displayed, when applicable. Each Thermapen is powered by two lithium coin cell batteries with a minimum life expectancy of 1,500 hours.



- **Stainless steel wall bracket (832-002)**  
Stores the Thermapen safely when not in use. Keyhole slot for hanging (screws not supplied)  
Measures 27 x 58 x 115 mm

## ACCESSORIES see opposite page

- Thermapen pouch in charcoal grey or beige (830-130/830-131)
- Thermapen holster in charcoal grey or beige (830-140/830-141)
- Thermapen magnetic band with lanyard (830-470)

### Order code Description

231-217	Thermapen Classic - white
231-227	Thermapen Classic - yellow
231-237	Thermapen Classic - green
231-247	Thermapen Classic - red
231-257	Thermapen Classic - blue
830-130	Thermapen pouch - charcoal grey
830-131	Thermapen pouch - beige
830-140	Thermapen holster - charcoal grey
830-141	Thermapen holster - beige
830-260	Protective silicone cover
830-265	Silicone cover - glow in dark
830-470	Thermapen magnetic band with lanyard
832-002	Stainless steel wall bracket



### Specification Thermapen Classic

Range	-49.9 to 299.9 °C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1,500 hours
Sensor type	K thermocouple
Display	14.5 mm LCD
Dimensions	19 x 47 x 153 mm
Weight	97 grams

**FREE traceable certificate of calibration included**

# PRO-SURFACE THERMAPEN® THERMOMETER

- Pivoting probe & swivel head for perfect contact
- Ideal for grills & hot plates

The Pro-Surface Thermapen thermometer measures the temperature of grills, hotplates, and other surfaces over the range of -49.9 to 299.9 °C with a user-selectable resolution of 0.1 or 1 °C with an accuracy of ±0.4 °C.

Simply open the probe and take the reading - the pivoting probe and swivel tip ensure perfect surface contact and high accuracy measurement. The Pro-Surface includes a FREE traceable certificate of calibration.

The Thermapen body is splashproof. For high temperature use you can order a protective silicone rubber cover for added thermal and drop protection.



- **Protective silicone cover**

Protect your instrument against accidental damage by fitting a protective silicone cover (830-260).



Order code	Description
231-279	Pro-Surface Thermapen
830-260	Protective silicone cover

Specification	Pro-Surface Thermapen
Range	-49.9 to 299.9°C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	±0.4 °C (-49.9 to 149.9 °C) or ±1 %
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1,500 hours
Sensor type	K thermocouple
Display	14.5 mm LCD
Dimensions	19 x 47 x 153 mm
Weight	97 grams

**FREE traceable certificate of calibration included**

## THERMAPEN® ACCESSORIES

- **Magnetic band with lanyard**

Keep your Thermapen safe and on hand in the kitchen with a magnetic attachment for easy storage on metal surfaces (830-470).



Order code	Description
830-130	Thermapen pouch - charcoal grey
830-131	Thermapen pouch - beige
830-140	Thermapen holster - charcoal grey
830-141	Thermapen holster - beige
830-260	Protective silicone cover
830-265	Silicone cover - glow in the dark
830-470	Thermapen magnetic band with lanyard
832-002	Stainless steel wall bracket



**Holster** 75 x 190 mm  
(830-140/141)



- **Thermapen pouches & holsters**

Embossed with the Thermapen logo, these accessories combine style and durability. For more details visit our website.



**Pouch** 40 x 75 x 170 mm  
(830-130/131)

# THERMALITE® DIGITAL THERMOMETER

- CalCheck 0.0 °C function
- ±0.5 °C accuracy
- Waterproof to IP66
- FREE traceable certificate of calibration

The ThermoLite digital thermometer is lightweight and easy to use, ideal for measuring the temperature of food and semi-solid materials.

The instrument displays temperature over the range of -40 to 300 °C with a 0.1 °C/°F resolution and an accuracy of ±0.5 °C (-10 to 100 °C). Each ThermoLite also incorporates a CalCheck function that allows the user to verify the accuracy of the thermometer at any time.

The thermometer weighs only 67 grams and features a clear, easy-to-read LCD display with an open circuit 'Err' and battery replacement indication. The ThermoLite's auto power-off facility turns the instrument off automatically after ten minutes, maximising battery life and is supplied complete with a FREE traceable certificate of calibration.

Each unit is supplied with a protective probe cover and is waterproof to IP66. The case includes Biomaster product protection which reduces opportunities for bacterial growth.

The Ø3.3 x 85 mm stainless steel probe has a Ø2.0 x 14 mm reduced tip which provides faster and more accurate readings.



- **CalCheck 0.0 °C function**  
The ThermoLite features a CalCheck 0.0 °C function that allows the user to verify the accuracy of the thermometer at any time, giving confidence that measurements are accurate.

- **Reduced tip for faster and more accurate readings**



- **Each unit is supplied with a protective probe cover**



Specification	ThermoLite
Range	-40 to 300 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-10 to 100 °C) ±2.5 °C (200 to 300 °C) ±1.5 °C otherwise
Battery	3 volt CR2032 lithium coin cell
Battery life	2,000 hours
Sensor type	Thermistor
Display	25 x 23.5 mm LCD
Dimensions	22 x 36.3 x 223 mm
Probe dimensions	Ø3.3 x 85 mm (probe tip Ø2.0 x 14 mm)
Weight	67 grams

**FREE traceable certificate of calibration included**

Order code	Description
810-305	ThermoLite thermometer

# TEMPTEST® 1 & 2 THERMOMETERS

- Patented, automatic 360° rotational display
- Fast response probe, reaches temperature in just 3 seconds
- FREE traceable certificate of calibration
- Intelligent backlit display

These TempTest thermometers incorporate a large, easy-to-read digital display, with a precise read-out of temperature over the range of -49.9 to 299.9 °C with a 0.1 °C/°F resolution and an accuracy of ±0.4 °C (-49.9 to 199.9 °C). The thermometers will power off automatically after ten minutes maximising battery life, this feature can be disabled if not required.

The thermometers are housed in a waterproof IP67 case with an ergonomic rubber seal, both include Biomaster product protection to reduce bacterial growth. As well as being waterproof, the true temperature of a product can be measured in just three seconds.

Both low battery (icon) and open circuit indication are displayed, when applicable. Each TempTest is powered by two AAA batteries with a minimum life expectancy of 5,000 hours in normal use without the backlight.

Each TempTest 1 thermometer is supplied with a permanently attached, pointed stainless steel food penetration probe (Ø3.3 x 80 mm) with fast response tip and FREE holster/wall bracket for safe and secure storage.



model available  
see page 61



## OPTIONAL ACCESSORIES:

- Protective silicone cover. Various colours available - see below
- Anti-bacterial wipes - see page 44



Order code	Description
221-910	TempTest 1 thermometer
222-910	TempTest 2 - penetration probe
830-431	Protective silicone cover - white
830-432	Protective silicone cover - yellow
830-433	Protective silicone cover - green
830-434	Protective silicone cover - red
830-435	Protective silicone cover - blue
830-437	Protective silicone cover - black

Specification	TempTest 1 & 2
Range	-49.9 to 299.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Battery	2 x 1.5 volt AAA
Battery life	5,000 hours (normal use, without backlight)
Sensor type	K thermocouple
Display	11 mm LCD
Dimensions	TempTest 1 - 17 x 47 x 200 mm (inc. probe) TempTest 2 - 17 x 47 x 120 mm
Weight	TempTest 1 - 105 grams TempTest 2 - 140 grams

**FREE traceable certificate of calibration included**

# THERMAMITE® THERMOMETER & PROBE

- Simple one-button operation
- FREE traceable certificate of calibration
- Includes Biomaster product protection
- 2-year guarantee

The Thermamite thermometer offers accuracy, flexibility and ease of use, coupled with the durability and reliability that is required by the food and catering industry in helping to meet today's food hygiene legislation.

The thermometer incorporates an easy-to-read, LCD display with a precise read-out of temperature over the range of -50 to 300 °C with a 1 °C resolution. Low battery and open circuit indication are also displayed. The unit will power-off automatically after ten minutes, maximising battery life.

The instrument is housed in an ergonomic, robust ABS case that includes Biomaster product protection which reduces bacterial growth. Each thermometer is supplied with a permanently attached, pointed stainless steel food penetration probe (Ø3.3 x 100 mm) and a 500 mm PVC lead.



- **Protective silicone cover**  
The Thermamite is water-resistant to IP65 when used in conjunction with this cover. Protects from accidental damage. Various colours are available - see page 14.



- **Stainless steel wall bracket & cover (832-050)**  
The wall bracket stores your Thermamite safely away when not in use. Keyhole slot for hanging (screws not supplied).



Order code	Description
261-010	Thermamite - white
261-020	Thermamite - yellow
261-030	Thermamite - green
261-040	Thermamite - red
261-050	Thermamite - blue
830-221	Protective silicone cover - white
832-050	S/steel wall bracket & cover

Specification	Thermamite
Range	-50 to 300 °C
Resolution	1 °C
Accuracy	±1 °C / 1 % of reading
Battery & life	3 x 1.5 volt AAA - 10,000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	160 grams
<b>FREE traceable certificate of calibration included</b>	

# FOOD CHECK THERMOMETER & PROBE

- Ideal for HACCP procedures
- FREE traceable certificate of calibration
- Temperature range -49.9 to 299.9 °C
- Meets the European Standard EN 13485

The Food Check is designed specifically for the food and catering professional who wishes to purchase an economically priced digital thermometer. The Food Check thermometer will measure temperature quickly and accurately when monitoring cooked and chilled foods as part of HACCP and health and safety procedures.

The thermometer is housed in a user-friendly ABS case that includes Biomaster product protection which reduces bacterial growth. The Food Check features a large, easy-to-read, LCD display with open circuit and low battery indication. The instrument incorporates a simple-to-use on/off push-button and is powered by three AAA batteries that give a minimum of five years of battery life. The Food Check will power off automatically after ten minutes, maximising battery life.

Each Food Check is supplied with a permanently attached food penetration probe with a 130 mm stainless steel stem and 500 mm PVC lead. This is the ideal choice for routine food inspections.

## OPTIONAL ACCESSORIES:

- Stainless steel wall bracket & white silicone cover (832-050)
- Anti-bacterial wipes - see page 44



- **Protective silicone cover**  
The Food Check is water-resistant to IP65 when used in conjunction with this cover. Protects from accidental damage. Various colours are available - see page 14.



Order code	Description
221-018	Food Check - white
221-028	Food Check - yellow
221-038	Food Check - green
221-048	Food Check - red
221-058	Food Check - blue
830-221	Protective silicone cover - white
832-050	S/steel wall bracket & cover

Specification	Food Check
Range	-49.9 to 299.9 °C
Resolution	0.1 °C
Accuracy	±0.4 °C (-49.9 to 149.9 °C) otherwise ±1 %
Battery & life	3 x 1.5 volt AAA - 10,000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	160 grams
<b>FREE traceable certificate of calibration included</b>	

# CATERTEMP® THERMOMETER & PROBE

- High system accuracy  $\pm 0.4\text{ }^{\circ}\text{C}$  &  $0.1\text{ }^{\circ}\text{C}$  resolution
- FREE traceable certificate of calibration
- Includes Biomaster product protection
- Display hold function

The CaterTemp professional digital thermometer is designed with the catering and food processing industry in mind and incorporates a combination of proven circuitry and durability. The CaterTemp thermometer is housed in a robust ABS case that includes Biomaster product protection to reduce bacterial growth.

The CaterTemp measures temperature over the range of  $-49.9$  to  $299.9\text{ }^{\circ}\text{C}$  with a resolution of  $0.1\text{ }^{\circ}\text{C}$ . The instrument features a bright, easy-to-read LCD, displaying open circuit and low battery indication, when applicable.

The thermometer is powered by three AAA batteries that give a minimum of five years of battery life. The CaterTemp will power off automatically after ten minutes, maximising battery life.

Each thermometer is supplied with a permanently attached food penetration probe with a 130 mm pointed, stainless steel stem and one metre coiled PU lead.

CATERING



## OPTIONAL ACCESSORIES:

- Stainless steel wall bracket & black silicone cover (832-053)
- Protective silicone cover - black (830-227)



Order code	Description
221-046	CaterTemp
830-227	Protective silicone cover - black
832-053	S/steel wall bracket & cover

Specification	CaterTemp
Range	$-49.9$ to $299.9\text{ }^{\circ}\text{C}$
Resolution	$0.1\text{ }^{\circ}\text{C}$
Accuracy	$\pm 0.4\text{ }^{\circ}\text{C}$ ( $-49.9$ to $149.9\text{ }^{\circ}\text{C}$ ) otherwise $\pm 1\%$
Battery & life	3 x 1.5 volt AAA - 10,000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	175 grams
<b>FREE traceable certificate of calibration included</b>	

# CATERTEMP® METAL THERMOMETER

- Our most durable thermometer yet
- Supplied complete with heavy duty penetration probe
- FREE traceable certificate of calibration
- Waterproof to IP67

The CaterTemp Metal hand held thermometer is housed in a robust extruded aluminium waterproof case, offering IP67 protection, with a white powder coated finish. The instrument incorporates the latest microprocessor technology with improved durability, designed for reliability and ease of use in day-to-day catering and food processing applications.

The CaterTemp Metal thermometer measures temperature over the range of -49.9 °C to 299.9 °C and features a large, easy-to-read, LCD display. The unit also incorporates an auto-power-off facility that automatically turns the instrument off after ten minutes, maximising battery life.

Each CaterTemp Metal thermometer is supplied with a permanently attached, water-resistant, heavy-duty, food penetration probe with a Ø3.3 x 130 mm stainless steel stem and one metre coiled lead. The probe is both strong, versatile and suitable for a variety of applications including liquids, semi-solids and granular materials.



- **Stainless steel wall bracket (832-789)**  
Designed to store your CaterTemp Metal safely - wherever you need it. Provides easy wall hanging. Dimensions: 122 x 67 x 44 mm  
Screws are not supplied.



Specification	CaterTemp Metal
Range	-49.9 °C to 299.9 °C
Resolution	0.1 °C
Accuracy	±0.4 °C (-49.9 to 149.9 °C) or otherwise ±1 %
Battery & life	3 x AAA - 10,000 hours @ 25°C
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	37 x 61.4 x 177 mm
Weight	325 grams

**FREE traceable certificate of calibration included**

Order code	Description
221-800	CaterTemp Metal
832-789	Stainless steel wall bracket

CATERING

# THERMACHECK THERMOMETER & PROBE

- Assured accuracy for the life of the thermometer
- High system accuracy  $\pm 0.3$  °C
- FREE traceable certificate of calibration
- Meets the European Standard EN 13485

The ThermaCheck digital thermistor thermometer has been specifically designed for use in the catering and food processing industries to cope with routine day-to-day usage.

The instrument measures temperature over the range of -39.9 to 149.9 °C with a resolution of 0.1 °C and a high system accuracy (probe and thermometer) of  $\pm 0.3$  °C (-29.9 to 129.9 °C). This accuracy is guaranteed for life, due to the instrument's advanced electronics.

The ThermaCheck is housed in an ergonomic, robust ABS case that includes Biomaster product protection which reduces bacterial growth. The low power consumption electronics are powered by three AAA batteries, giving the instrument a minimum battery life of five years. The auto-power-off facility turns the instrument off automatically after ten minutes, maximising battery life.

The ThermaCheck thermometer is supplied complete with a permanently attached food penetration probe with a 130 mm stainless steel stem and one metre coiled PU lead.



## OPTIONAL ACCESSORIES:

- Protective silicone cover. Various colours are available - see below
- Stainless steel wall bracket (832-050) & white silicone cover (screws not supplied)



Order code	Description
226-042	ThermaCheck
830-221	Protective silicone cover - white
830-222	Protective silicone cover - yellow
830-223	Protective silicone cover - green
830-224	Protective silicone cover - red
830-225	Protective silicone cover - blue
830-227	Protective silicone cover - black
832-050	S/steel wall bracket & cover

Specification	ThermaCheck
Range	-39.9 to 149.9 °C
Resolution	0.1 °C
Accuracy	$\pm 0.3$ °C (-29.9 to 129.9 °C)
Battery & life	3 x 1.5 volt AAA - 20,000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	220 grams
<b>FREE traceable certificate of calibration included</b>	



# THERMA 20 HIGH ACCURACY THERMOMETER

- Assured accuracy for the life of the thermometer
- Meets the European Standard EN 13485
- 2-year guarantee
- Optional test caps for accuracy checks

The Therma 20 thermistor thermometer has been specifically designed for use in the catering industry with HACCP and health and safety procedures in mind.

The instrument displays temperature to 0.1 °C over the range of -39.9 to 149.9 °C with a high system accuracy of ±0.5 °C (-24.9 to 109.9 °C). This accuracy is guaranteed for life, due to the instrument's advanced electronics. The Therma 20 features an easy-to-read, LCD display with low battery indication.

The thermometer can be used in low ambient working temperatures down to -20 °C, which meets the requirements of the European Standard EN 13485 for the temperature monitoring of food through the supply chain, from transport to storage to point of sale.

The instrument is housed in an ergonomic, robust ABS case that includes Biomaster product protection which reduces bacterial growth. The thermometer's auto-power-off facility turns the instrument off automatically after ten minutes.

The Therma 20 incorporates an easy-to-use Lumberg screw-locking connector, allowing both a wide range of interchangeable thermistor probes and self-calibration test caps to perform accuracy checks.



Thermistor penetration probe (174-166)

- For alternative probes see pages 90 and 91.



## THERMA 20 PROFESSIONAL CATERING THERMOMETER KIT

### Each kit contains:

- Therma 20 thermometer (226-040)
- Thermistor penetration probe (174-166)
- Air wire probe (170-372)
- Temperature log book (831-100)
- Box of 100 Probe Wipes (836-220)
- ABS carrying case (834-120)



model available see page 63

Order code	Description
226-040	Therma 20
860-120	Professional catering kit
174-166	Thermistor penetration probe
286-001	Thermistor test cap -18 °C
286-002	Thermistor test cap 0 °C
286-003	Thermistor test cap 3 °C
286-004	Thermistor test cap 70 °C
286-005	Thermistor test cap 100 °C
830-221	Protective silicone cover - white
832-050	S/steel wall bracket & cover

Exclusive of probe when purchased as a unit only



Specification	Therma 20
Range	-39.9 to 149.9 °C
Resolution	0.1 °C
Instrument only accuracy	±0.2 °C
System accuracy	±0.5 °C (-24.9 to 109.9 °C)
Battery & life	3 x 1.5 volt AAA - 20,000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	130 grams

FREE traceable certificate of calibration included

# THERMA 22 & 22 PLUS THERMOMETERS

- Utilises thermistor or type T thermocouple probes
- Meets the European Standard EN 13485
- Includes Biomaster product protection
- FREE traceable certificate of calibration

The Therma 22 and 22 Plus thermometers accept both thermocouple and thermistor probes. The thermistor sensor gives greater accuracy whilst the type T thermocouple sensor gives a faster response with an extended measurement range.

Both units display temperature over a range of -199.9 to 400 °C (Type T thermocouple) and -39.9 to 149.9 °C (thermistor). The LCD display includes open circuit and low battery indication, and auto-power-off to maximise battery life.

Housed in an ABS case that includes Biomaster product protection, each unit also incorporates a Lumberg screw-locking type connector that supports a range of interchangeable probes. Type T thermocouple probes are available on page 88, and thermistor probes are available on pages 90-91.

- The Therma 22 Plus incorporates all the features of the Therma 22 thermometer, but with the addition of a backlight display, max/min memory function, hold function and is waterproof offering IP67 protection.



model available  
see page 63



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## THERMA 22 FOOD HYGIENE THERMOMETER KIT



### Each kit contains:

- Therma 22 thermometer (227-022)
- Type T penetration probe (177-166)
- Air wire probe (177-372)
- Temperature log book (831-100)
- Box of 100 Probe Wipes (836-220)
- ABS carrying case (834-120)



Order code	Description
227-022	Therma 22*
860-125	Food hygiene kit
232-041	Therma 22 Plus*
177-166	Type T penetration probe
174-266	Thermistor penetration probe

\*Exclusive of probe when purchased as a unit only

Specification	Therma 22	Therma 22 Plus
Range - Type T thermocouple	-199.9 to 400 °C	
Range - Thermistor	-39.9 to 149.9 °C	
Resolution	0.1 °C to 299.9 °C thereafter 1 °C	
Instrument only accuracy	±0.2 °C	
System accuracy - Type T t/c	±0.5 °C (-49.9 to 149.9 °C)	
System accuracy - Thermistor	±0.5 °C (-24.9 to 109.9 °C)	
Battery	3 x 1.5 volt AAA	
Battery life	10,000 hours	7,500 hours
Sensor type	Thermistor/Type T thermocouple	
Display	12 mm LCD	15 mm LCD
Dimensions	25 x 56 x 128 mm	32 x 71 x 141 mm
Weight	130 grams	220 grams

FREE traceable certificate of calibration included



# THERMA 20 METAL THERMOMETER

- Extruded aluminium case for superior durability
- FREE traceable certificate of calibration
- Waterproof to IP67
- Large, easy-to-read LCD display

The Therma 20 Metal waterproof thermometer offers IP67 protection and is housed in a robust extruded aluminium case. The thermometer utilises state of the art electronic circuitry, designed for reliability and ease of use and can be submerged or washed under a running tap - ideal for food processing applications where cleaning is paramount.

The Therma 20 Metal thermometer measures temperature over the range of -39.9 °C to 149.9 °C with a 0.1 °C resolution. The instrument features a large, easy-to-read, LCD display. The unit also incorporates an auto-power-off facility that automatically turns the instrument off after ten minutes, maximising battery life.

The instrument is housed in an ergonomic case with a white powder coated finish.

The Therma 20 Metal incorporates an easy-to-use waterproof Lumberg screw-locking type connector, allowing a wide range of interchangeable thermistor probes to be used. We offer an extensive range of probes, see pages 90 and 91 for details.



- **Stainless steel wall bracket (832-789)**  
Stores your Therma 20 Metal safely and helps avoid accidental damage. Provides easy wall hanging. Dimensions 44 x 67 x 122 mm. Screws not supplied.



Order code	Description
221-700	Therma 20 Metal
832-789	Stainless steel wall bracket
174-266	Penetration probe

The Therma 20 Metal is exclusive of probe

Specification	Therma 20 Metal
Range - thermistor	-39.9 °C to 149.9 °C
Resolution	0.1 °C
Instrument only accuracy	±0.2 °C ±0.1 % of reading
System accuracy	±0.5 °C (-24.9 to 109.9 °C) otherwise 1 °C
Battery & life	3 x 1.5 volt AAA - 10,000 hours @ 25 °C
Sensor type	Thermistor
Display	15 mm LCD
Dimensions	37 x 61.4 x 177 mm
Weight	242 grams

FREE traceable certificate of calibration included

# THERMA K METAL THERMOMETER

- Interchangeable thermocouple probes
- FREE traceable certificate of calibration
- Wide temperature range -99.9 to 1372 °C
- Extruded aluminium case for superior durability

The Therma K Metal hand held thermometer is housed in a robust extruded aluminium waterproof case, offering IP67 protection, with a white powder coated finish. The instrument incorporates the latest microprocessor technology with improved durability, designed for reliability and ease of use in day-to-day catering and food processing applications.

The unit features a large, easy-to-read, LCD display and measures temperature over the range of -99.9 to 1372 °C, -99.9 to 999.9 °C with a 0.1 °C resolution, auto-ranging to 1 °C resolution over the range of 1000 to 1372 °C.

The thermometer incorporates an auto-power-off facility that automatically turns the instrument off after ten minutes, maximising battery life. The on/off button is conveniently located at the front of the instrument as is the display hold facility. The secure battery compartment with a waterproof cover is located at the base of the instrument.



## OPTIONAL ACCESSORIES:

- Stainless steel wall bracket (832-789) screws not supplied
- Anti-bacterial wipes - see page 44

Order code	Description
221-900	Therma K Metal
143-162	Penetration probe
832-789	Stainless steel wall bracket

The Therma K Metal is exclusive of probe



Penetration probe (143-162)

- **Choice of probes** - Conveniently located at the top of the instrument is the thermocouple probe socket that allows a wide range of interchangeable, thermocouple type K probes to be connected to the instrument. We offer an extensive range of probes, see pages 81 to 87 for details.



Specification	Therma K Metal
Range	-99.9 °C to 1372 °C
Resolution	0.1 °C to 999.9 °C then 1 °C
Accuracy (instrument only)	±0.4 °C ±0.1 % of reading
Battery & life	3 x AAA - 10,000 hours @ 25 °C
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	37 x 61.4 x 177 mm
Weight	235 grams

FREE traceable certificate of calibration included

# SAF-T-LOG® RECORDING THERMOMETER

- Displays date, time & user name with each reading
- Automatically archives data & creates reports
- Helps your business be HACCP compliant
- PASS/FAIL & corrective actions displayed

Measure, store, download and print HACCP reports. No more paper logs or complicated devices to train staff how to use. The Saf-T-Log is as easy-to-use as your current thermometer.

The Saf-T-Log uses PC software to create a list of up to 300 items that you routinely measure, 10 corrective actions, along with up to 25 users. Each item can include a high/low temperature limit that gives the user instant on-screen pass/fail feedback or yes/no on non-temperature items. A time delay feature can be added to each temperature item. Up to seven different checklists can be created at any one time, to be saved, emailed to other users and uploaded onto any Saf-T-Log.

Record up to 1,000 readings by simply scrolling to the correct item and pressing record. Any 'fail' or 'no' answer can prompt the selection of a corrective action. Once readings are taken they can be downloaded to a PC automatically when reconnected. The data is archived and a report generated automatically with no additional user input. The Saf-T-Log report is locked so the data logged cannot be tampered with.

Housed in a durable, IP67 waterproof case with a choice of interchangeable type K thermocouple probes, the Saf-T-Log can be used for a wide variety of applications. The thermometer includes a high contrast backlit display with an accuracy of  $\pm 0.4^\circ\text{C}$  and a calibration trim function.

**Please note:** The Saf-T-Log is exclusive of probe



Penetration probe (143-162)

- Protective silicone cover. Various colours are available - see below for details



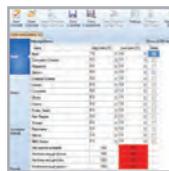
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## SAF-T-LOG SOFTWARE

The Saf-T-Log software is available as a free download from our website.

### ✓ CUSTOMISED CHECKLISTS

Simply create your own checklist of items, upload to the unit, attach the appropriate probe and store readings at the touch of a button.



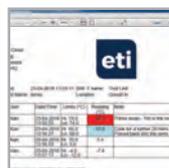
### ✓ CORRECTIVE ACTIONS

The user is prompted to select a corrective action if the reading is outside of the acceptable limit. Easy for staff to implement and use.



### ✓ REPORT GENERATOR

Reports are created automatically from the saved readings. Failed results are highlighted and notes or corrective actions included. Eliminates the need for paper logs.



Specification	Saf-T-Log
Range	-100 to 1372 °C
Resolution	0.1 °C
Accuracy	$\pm 0.4^\circ\text{C} \pm 0.1\%$ of reading
Battery	3 x 1.5 volt AAA
Battery life	3,000 hours (without backlight)
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	32 x 71 x 141 mm
Weight	220 grams

Order code	Description
292-701	Saf-T-Log
143-162	Penetration probe
830-231	Protective silicone cover - white
830-232	Protective silicone cover - yellow
830-233	Protective silicone cover - green
830-234	Protective silicone cover - red
830-235	Protective silicone cover - blue
830-257	Protective silicone cover - black
832-015	Stainless steel wall bracket

**FREE traceable certificate of calibration included**

# THERMAQ® 2 THERMOMETER

- Simultaneously measures four probe temperatures
- Audible alarm with variable volume control
- Wide temperature range -99.9 to 1372 °C
- Waterproof housing offers IP67 protection

The ThermaQ 2 thermometer allows the user to simultaneously use four type K thermocouple probes whilst displaying current temperatures and the maximum and minimum recorded temperatures. This allows the user to monitor multiple food items and the oven air temperature at the same time. It includes programmable high and low alarms for all four channels with easy-to-use buttons and an alarm volume of up to 100 decibels.

Measuring temperature over the range of -99.9 to 299.9 °C with a 0.1 °C resolution or 300 to 1372 °C with a 1 °C resolution. The unit features a large, easy-to-read LCD display with °C/°F, which cycles from T1 & T2 to T3 & T4, max/min, open circuit, low battery indication, and a user selectable backlight.

The instrument is housed in an ergonomic, ABS case that includes Biomaster product protection to reduce bacterial growth. An integrated rubber seal ensures complete water resistance and helps reduce the possibility of damage in harsh environments.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see below and pages 81 to 87.



Shown with 830-258 silicone cover (cover incorporates a built-in stand & magnet)



Specification	ThermaQ 2
Range	-99.9 to 1372 °C
Resolution	0.1 °C to 299.9 °C thereafter 1 °C
Accuracy	±0.4 °C ±0.1 % of reading
Battery & life	3 x 1.5 volt AAA - 3,000 hours
Sensor type	K thermocouple
Display	Custom LCD
Dimensions	32 x 71 x 142 mm
Weight	230 grams

**FREE traceable certificate of calibration included**

Order code	Description
231-052	ThermaQ 2
830-258	Protective silicone cover - black
832-015	Stainless steel wall bracket
830-278	High temp coloured probe rings (8 pk)

The ThermaQ 2 is exclusive of probes

		Order code
<b>Q SERIES AIR PROBE &amp; CLIP</b>  grate clip → A HIGH CONTACT Ø3.5 x 50 mm	This oven/air probe is ideal for monitoring air temperatures. Using the grate clip provided, attach the probe to an oven rack/shelf. Supplied with a 1.2 metre stainless steel braided fibreglass lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -75 to 600 °C</li> </ul>	133-647 830-530 (spare clip)
<b>Q SERIES SMOKEHOUSE COOKING PROBE</b>  A HIGH CONTACT Ø3.3 x 170 mm	This right angled stainless steel penetration probe is ideal for continuous monitoring during cooking processes. Supplied with a 1.2 metre stainless steel braided fibreglass lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -75 to 600 °C</li> </ul>	133-607
<b>Q SERIES PENETRATION PROBES</b>  A HIGH CONTACT Ø3.3 x 60, 114 or 305 mm	These stainless steel penetration probes are ideal for continuous monitoring in ovens. Supplied with a 1.2 metre stainless steel braided fibreglass lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -75 to 600 °C</li> </ul>	133-637 (60 mm) 133-617 (114 mm) 133-627 (305 mm)

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# SOUS VIDE PREMIUM THERMOMETER KIT

- For precise temperature measurement
- Includes miniature needle probe for sous vide cooking
- FREE traceable certificate of calibration
- 2 year guarantee

Sous vide cooking has become more popular in professional kitchens over the past few years. New cooking methods require new temperature testing techniques. Therefore, ETI has designed two Sous Vide kits; each containing a high accuracy Therma 1 thermometer, Sous Vide needle probe(s) and Sous Vide foam/tape, all supplied in a FREE carrying case/zip pouch.

For a full specification on the Therma 1 thermometer, see page 69.

## What is sous vide cooking?

Sous vide is a method of cooking that involves using precise, controlled temperatures to produce food that is perfectly and evenly cooked all the way through. French for 'under vacuum', the process of sous vide involves vacuum-sealing food inside a bag and placing it inside a water bath where it will slowly reach, but not exceed, the desired temperature. The food is then ready to be eaten or can be finished by briefly searing, broiling, grilling or deep frying.



- Therma 1 thermometer (221-041) with Sous Vide needle probe (133-109)



## SOUS VIDE PREMIUM KIT CONTAINS:

- Therma 1 thermometer (221-041)
- 60 mm Sous Vide needle probe (133-109)
- 120 mm Sous Vide needle probe (133-110)
- Water-resistant countdown timer (806-150)
- Box of 100 Probe Wipes (836-220)
- Sous Vide foam/tape - one metre (600-470)
- ABS carrying case (834-150)



Order code	Description
860-035	Sous Vide Premium thermometer kit
600-470	Additional Sous Vide foam/tape
FREE traceable certificate of calibration included	

		Order code
<b>SOUS VIDE NEEDLE PROBE</b>  	Ideal for delicate foods, this miniature, stainless steel needle probe is supplied with a one metre PFA lead. <ul style="list-style-type: none"> <li>● Response time less than 1 second</li> <li>● Probe temperature range -49.9 to 90 °C</li> </ul>	133-109 (60 mm)  133-110 (120 mm)

# SOUS VIDE STANDARD THERMOMETER KIT

- Fast response, reaches temperature in less than 1 second
- Delivers consistent results for sous vide cooking
- Precise temperature control
- 2 year guarantee

## SOUS VIDE STANDARD KIT CONTAINS:

- Therma 1 thermometer (221-041)
- 60 mm Sous Vide needle probe (133-109)
- Sous Vide foam/tape - one metre (600-470)
- Zip pouch (830-037)



Order code	Description
860-036	Sous Vide Standard thermometer kit
600-470	Additional Sous Vide foam/tape
<b>FREE traceable certificate of calibration included</b>	

# SOUS VIDE THERMAPEN® THERMOMETER

- Miniature needle probe for sous vide cooking
- High accuracy  $\pm 0.4^\circ\text{C}$

The Sous Vide Thermapen thermometer has been specifically designed for sous vide cooking and areas where precise temperature measurement is required.

This model incorporates a miniature, stainless steel needle probe that has a  $\varnothing 1.1 \times 60$  mm reduced tip, that conveniently folds back through  $180^\circ$  into the side of the instrument when not in use.

**Please Note:** The probe tip is small in diameter and should be used with care.

Use in conjunction with sous vide tape to measure the core temperature without suffering water ingress into your vacuum sealed bag.



- Sous vide foam/tape - one metre (600-470)

Order code	Description
231-011	Sous Vide Thermapen
600-470	Sous Vide foam/tape
830-260	Protective silicone cover



Specification	Sous Vide Thermapen
Range	-49.9 to 299.9°C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	$\pm 0.4^\circ\text{C}$ (-49.9 to 199.9 °C) otherwise $\pm 1^\circ\text{C}$
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1,500 hours
Sensor type	K thermocouple
Display	14.5 mm LCD
Dimensions	19 x 47 x 153 mm
Weight	97 grams
<b>FREE traceable certificate of calibration included</b>	

# MICRO POCKET THERMOMETER

- Compact design, ideal for chefs' pockets
- Reduced tip for faster response

The water-resistant Micro Pocket thermometer is the ideal choice for chefs who need a compact and convenient thermometer for spot checks in the kitchen.

Measuring temperature over the range of -50 to 150 °C with a 0.1 °C resolution, the thermometer will power off automatically after 5 minutes, maximising battery life.

The instrument incorporates a Ø2.5 x 100 mm stainless steel penetration probe with a reduced fast response Ø1.6 mm tip.

Available in white, red and blue, each unit is supplied with a protective probe cover that incorporates a pocket clip for safe storage and transportation.



Order code	Description
810-841	Micro Pocket thermometer - white
810-844	Micro Pocket thermometer - red
810-845	Micro Pocket thermometer - blue

Specification	Micro Pocket
Range	-50 to 150 °C
Resolution	0.1 °C
Accuracy	±0.5 °C (-10 to 100 °C) otherwise 1.0 °C
Battery	1 x 3 volt CR1632 lithium coin cell
Battery life	2,000 hours
Sensor type	Thermistor
Display	13 x 9 mm
Dimensions	22 x 27 x 124 mm
Weight	15 grams

# THERMASTICK® THERMOMETER

- Reduced tip for faster response
- Waterproof to IP66

The ThermaStick is a handy, pocket-sized, waterproof IP66 thermometer that incorporates a Ø2.5 x 115 mm stainless steel penetration probe with a reduced fast response Ø1.6 mm tip.

The thermometer measures temperature over the range of -49.9 to 299.9 °C with a resolution of 0.1 °C/°F and features two easy-to-use push buttons, on/off and max/min.

Powered by a single lithium coin cell battery that gives a minimum of 5,000 hours use. The unit will power off automatically after ten minutes, maximising battery life.

Available in white, red or blue, each unit is supplied with a probe cover that incorporates a pocket clip for safe storage and transportation.



Order code	Description
810-401	ThermaStick thermometer - white
810-404	ThermaStick thermometer - red
810-405	ThermaStick thermometer - blue

Specification	ThermaStick
Range	-49.9 to 299.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-10 to 100 °C) otherwise ±2.5 °C
Battery & life	3 volt CR2032 lithium coin cell - 5,000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	Ø46 x 15 x 188 mm
Weight	28 grams

# POCKET-SIZED THERMOMETERS

## Pen-shaped thermometer



This pen-shaped thermometer measures temperature over the range of -49.9 to 149.9 °C, features a Ø3.5 x 120 mm stainless steel penetration probe and incorporates a °C/°F switch and display hold feature. Supplied with a probe cover that includes a pocket clip.

Specification	Pen-shaped
Range	-49.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	± 1 °C ( -19.9 to 119.9 °C) otherwise ±2 °C
Battery & life	1.5 volt LR44 - 5,000 hours
Sensor type	Thermistor
Display	6 mm LCD
Dimensions	17 x 20 x 190 mm
Weight	15 grams

Order code	Description
810-260	Pen-shaped thermometer

## Waterproof thermometer



This waterproof IP66/67 thermometer incorporates a Ø2.5 x 122 mm stainless steel penetration probe and has been designed for reliability and ease of use in routine day-to-day catering and food preparation applications.

This unit measures temperature over the range of -49.9 to 199.9 °C with a 0.1 °C resolution and features a max/min temperature recording function.

Specification	Waterproof
Range	-49.9 to 199.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-9.9 to 99.9 °C) otherwise ±1.5 °C
Battery & life	3 volt CR2032 lithium coin cell - 5,000 hours
Sensor type	Thermistor
Display	8 mm LCD
Dimensions	15 x 26 x 200 mm
Weight	25 grams

Order code	Description
810-275	Waterproof thermometer
830-275	Protective silicone cover

## T-shaped thermometer



This handy-sized thermometer measures temperature over the range of -49.9 to 149.9 °C, features a Ø3.5 x 120 mm stainless steel penetration probe and incorporates a °C/°F switch and display hold feature. Supplied with a probe cover that includes a pocket clip.

Specification	T-shaped
Range	-49.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	± 1 °C ( -19.9 to 119.9 °C) otherwise ±2 °C
Battery & life	1.5 volt LR44 - 5,000 hours
Sensor type	Thermistor
Display	6 mm LCD
Dimensions	20 x 58 x 145 mm
Weight	15 grams

Order code	Description
810-265	T-shaped thermometer

## Waterproof T-Shaped thermometers



These waterproof, T-shaped thermometers offer IP66/67 protection and are housed in a robust, polycarbonate case with a strong, stainless steel, penetration probe. The probe measures Ø5 x 125 mm or 300 mm with a reduced tip (Ø3.5 x 20 mm) to improve response time.

These thermometers also feature a max/min memory and display hold function.

Specification	Waterproof T-shaped
Range	-49.9 to 149.9 °C
Resolution	0.1 °C
Accuracy	±1 °C (-19.9 to 119.9 °C)
Battery & life	1.5 volt LR44 - 5,000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	30 x 88 x 170/345 mm
Weight	50/55 grams

Order code	Description
810-285	T-shaped - 125 mm probe
810-287	T-shaped - 300 mm probe

### ThermaProbe® thermometer

The ThermaProbe is a lightweight, waterproof to IP66 thermometer with a bi-directional auto-rotating display. It comes with a Ø2.5 x 70 mm stainless steel penetration probe with a reduced fast response Ø1.6 mm tip, and includes max/min and on/off buttons.

Each unit is supplied with two batteries and a protective probe cover.



Specification	ThermaProbe
Range	-50 to 300 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-10 to 100 °C) otherwise ±2.5 °C
Battery & life	2 x 1.5 volt LR44 - 4,000 hours
Sensor type	Thermistor
Display	Custom LCD
Dimensions	Ø51 x 178 mm
Weight	41 grams

Order code	Description
810-421	ThermaProbe thermometer

### Super-Fast Mini thermometer

The Super-Fast Mini is a pocket-sized, water-resistant to IP65 thermometer. It measures temperature from -39.9 to 149.9 °C. The unit automatically turns on when you remove the probe cover.

Incorporating a fast response Ø2.5 x 73 mm stainless steel penetration probe with reduced tip and features max/min and hold functions.

Each unit uses a CR1632 battery and comes with a probe cover with integral pocket clip.



Specification	Super-Fast Mini
Range	-39.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-9.9 to 99.9 °C) otherwise ±1.5 °C
Battery & life	3 volt CR1632 - 3,000 hours
Sensor type	Thermistor
Display	8 mm LCD
Dimensions	Ø25 x 150 mm
Weight	20 grams

Order code	Description
810-279	Super-Fast Mini thermometer

## CONFECTIONERY & JAM THERMOMETERS

### Cook's stainless steel thermometer



This stainless steel thermometer indicates temperature over the range of 40 to 200 °C and 100 to 400 °F in 2 °C/°F divisions. The thermometer's stainless steel casing incorporates a retaining clip and measures 50 x 240 mm plus a 65 mm plastic handle.

The thermometer's scale is clearly marked for hard crack, soft crack, hard ball, soft ball, thread, jam, caramel, sterilising and deep fry.

Order code	Description
800-806	Cook's thermometer

### Brass sugar & jam thermometer

The traditional brass thermometer indicates temperature over the range of 40 to 200 °C in 2 °C divisions. The thermometer's brass casing measures 47 x 200 mm plus a 40 mm handle.

The thermometer's scale is clearly marked for caramel, crack, hard ball, soft ball, jam and sterilise.



Order code	Description
800-808	Brass sugar & jam thermometer

# MILK FROTHING THERMOMETERS

- Easy-to-read dial with colour-coded zones
- Colour-coded pack available

The barista milk frothing thermometers incorporate a °C/°F dial with colour-coded zones that make them fast and simple-to-use.

Measuring over the range of -10 to 110 °C, these thermometers are available in two probe lengths and dial sizes. Each thermometer is supplied with a stainless steel jug mounting probe clip, plastic calibration spanner and protective probe cover.

Also available as a pack of three colour-coded milk dial thermometers (red, green and blue) for barista's to easily identify different types of milk used in stainless steel jugs, to avoid cross-contamination.



Skimmed

Full

Semi

Order code	Description
800-810	Ø25 x 130 mm milk dial
800-820	Ø45 x 130 mm milk dial
800-800	Ø45 x 175 mm milk dial
800-830	Ø45 x 175 mm milk dial - pack of 3
830-220	Ø4 mm probe holder clip



- **Ø4 mm probe holder clip**  
This stainless steel probe holder clips onto the top of a jug, saucepan or similar to hold in place a temperature probe.

# DIGITAL MILK THERMOMETER

- 3 preset temperatures or set your own
- Clear, easy-to-read display

This new digital milk thermometer is a must-have for any barista. Designed to help you steam milk perfectly, the thermometer's alarm will sound when you reach or exceed the required temperature.

There are three preset temperatures: 60 °C, 65 °C and 70 °C (centigrade models) 140, 149, 158 °F (Fahrenheit model only). Alternatively, you can set your own required temperature by using the + or - buttons on the instrument.

Measuring over the range of 0 to 125 °C or 32 to 257 °F (model dependent), the unit includes a stainless steel probe clip, silicone cover, and auto power-off after 5 minutes. Available with green, red, blue band (matching cover) or black band (yellow cover) to easily identify different types of milk used in stainless steel jugs, to avoid cross-contamination. Choose between two lengths, 130 mm or 175 mm, to fit different milk jug sizes.



8 models available  
2 stem lengths  
130 mm or 175 mm  
(175 mm stem shown)



Order code	Description
810-850	130 mm yellow cover (°F)
810-860	175 mm yellow cover (°F)
810-873	130 mm green cover (°C)
810-874	130 mm red cover (°C)
810-875	130 mm blue cover (°C)
810-883	175 mm green cover (°C)
810-884	175 mm red cover (°C)
810-885	175 mm blue cover (°C)

Specification	Digital milk thermometer
Range	0 to 125 °C / 32 to 257 °F
Resolution	1 °C / 1 °F
Accuracy	±1 °C / ±2 °F
Battery	2 x 1.5 volt LR44
Battery life	Minimum 9,000 hours (normal use)
Display	Custom LCD
Dimensions	39 x 42 x 173 (130 mm) / 216 mm (175 mm)
Weight	40 grams (130 mm) / 41 grams (175 mm)

### Multi-Function Thermometer

The Multi-Function is an easy-to-use thermometer and features a display hold facility, max/min memory and a CalCheck 0.0 °C function, and an adjustable audible high/low temperature alarm.

The unit housing and probe handle includes Biomaster product protection. Supplied with a stainless steel, food penetration probe (Ø3.5 x 125 mm) with one metre PVC connecting lead, pocket clip and probe cover.



Specification	Multi-Function
Range	-19.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C (0 to 120 °C) otherwise ±2 °C
Battery	1.5 volt AAA
Battery life	5,000 hours
Sensor type	Thermistor
Display	Custom LCD
Dimensions	25 x 75 x 125 mm
Weight	111 grams

Order code	Description
810-927	Multi-Function thermometer

### EcoTemp® Thermometer

The EcoTemp digital thermometer is ideal for monitoring cooking and food holding temperatures as part of HACCP and health and safety procedures. The unit features a large, easy to read, LCD display with display hold and max/min memory functions.



Supplied with a detachable, stainless steel food penetration probe (Ø3.5 x 125 mm) with a 700 mm silicone connecting lead.



Specification	EcoTemp
Range	-49.9 to 199.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C (-49.9 to 149.9 °C)
Battery & life	2 x 1.5 volt AAA - 10,000 hours
Sensor type / Display	Thermistor / Custom 22 mm LCD
Dimensions / Weight	20 x 58 x 165 mm / 115 grams

Order code	Description
810-950	EcoTemp thermometer & probe
810-951	Replacement penetration probe
810-952	Air wire probe (3m)
810-954	Air wire probe (1.5m)
810-955	Oven penetration probe
830-215	Protective silicone cover - white

## GOURMET THERMOMETER

- CalCheck 0.0 °C function
- ±0.5 °C accuracy

The water-resistant Gourmet folding probe thermometer is easy-to-use, and ideal for monitoring cooking, cooling and food holding temperatures as part of HACCP and health and safety procedures. The unit incorporates two moulded push buttons (on/off and hold) and a CalCheck function that allows the user to verify the accuracy of the thermometer at any time.

Each unit incorporates a stainless steel, food penetration probe (Ø3.5 x 110 mm) that conveniently folds back into the side of the instrument when not in use. The housing includes Biomaster product protection that reduces bacterial growth. Available in five colours, ideal for different food types or preparation areas.



Order code	Description
810-730	Gourmet thermometer - white
810-732	Gourmet thermometer - yellow
810-733	Gourmet thermometer - green
810-734	Gourmet thermometer - red
810-735	Gourmet thermometer - blue
830-110	Protective wallet
830-001	Zip pouch
832-002	Stainless steel wall bracket

Specification	Gourmet
Range	-39.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C (-39.9 to 124.9 °C)
Battery	3 volt CR2032 lithium coin cell
Battery life	5,000 hours
Sensor type	Thermistor
Display	16 mm LCD
Dimensions	20 x 52 x 155 mm
Weight	83 grams

# SIZZLE THERMOMETER

- 180° auto-rotating display and 270° rotating probe
- Rear magnet
- Waterproof to IP67
- Bright backlight

The new Sizzle thermometer is a digital instant-read, waterproof, folding probe thermometer designed to deliver accurate readings in three seconds. It measures temperature over the range of -50 to 300 °C and is accurate to ±0.5 °C (-20 to 120 °C) otherwise ±2.0 °C.

The unit features a large 180° auto-rotating display and a 270° rotating probe for easy readings in either hand, and it boasts a super bright backlight for clear visibility anywhere. The screen will automatically switch on/off when opening or closing the probe and when the instrument is picked up or set down. This maximises the battery life.

The magnetic back allows the user to position the sizzle on a fridge, oven or grill. The unit also has customisable settings to adjust resolution, sleep timer, and calibration trim.

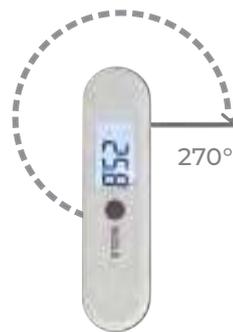
The Sizzle is waterproof to IP67 and is supplied with a FREE traceable certificate of calibration.



**NEW**



- **Magnetic back**  
Store on a fridge, oven or BBQ for quick and easy access.



- **Truly ambidextrous**  
Large 180° auto-rotating display and 270° rotating probe for easy readings in either hand.



Specification	Sizzle
Range	-50 to 300 °C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	±0.5 °C (-20 to 120 °C) otherwise ±2.0 °C
Battery	2 x 1.5 volt AAA
Battery life	5,000 hours (without backlight)
Sensor type	Thermistor
Display	24 x 40 mm
Dimensions	18 x 41 x 159 mm
Probe dimensions	Ø3.0 x 110 mm (probe tip Ø1.6 x 17 mm)
Weight	98 grams
<b>FREE traceable certificate of calibration included</b>	

Order code	Description
810-704	Sizzle - red
810-713	Sizzle - stone
810-715	Sizzle - midnight blue

CATERING

# FRIDGE OR FREEZER THERMOMETERS

## Ø52 mm dial thermometer

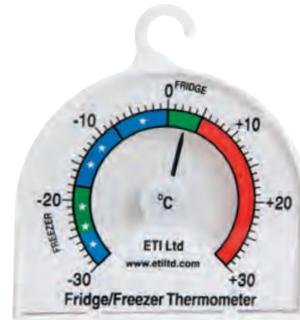


This easy-to-read fridge/freezer thermometer has a Ø52 mm dial that indicates temperature over the range of -30 to 30 °C in 1 °C divisions.

The unit incorporates colour-coded zones for ease of reading. The fridge/freezer thermometer is housed in an ABS case that incorporates a plastic hook to hang from a shelf.

Order code	Description
800-100	Ø52 mm dial thermometer
800-101	Ø52 mm dial - box of 20

## Ø70 mm dial thermometer



This fridge/freezer thermometer has a Ø70 mm dial that indicates temperature over the range of -30 to 30 °C in 1 °C divisions. The unit incorporates colour-coded zones for ease of reading.

The fridge/freezer thermometer is housed in an ABS case measuring 60 x 70 mm and can be free-standing or hung from a shelf.

Order code	Description
800-000	Ø70 mm dial thermometer
800-001	Ø70 mm dial - box of 10

## Ø50 mm dial thermometer



This stainless steel, fridge/freezer thermometer has a Ø50 mm dial that indicates temperature over the range of -30 to 30 °C in 1 °C divisions.

The colour-coded area indicates when the thermometer is at the correct temperature for a fridge or freezer. The stainless steel housing measures 60 x 70 mm and can be free-standing or hung from a shelf.

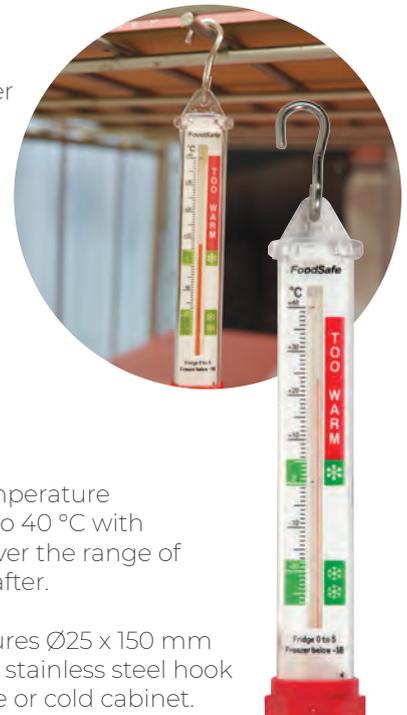
Order code	Description
800-923	Ø50 mm dial thermometer

## FoodSafe fridge thermometer

The FoodSafe food simulant thermometer is more reliable than traditional thermometers for monitoring fridge temperature. It accurately measures the temperature of food inside, ensuring consistent and safe temperatures for commercial use. It's robust and hygienic.

The unit indicates temperature over the range of -25 to 40 °C with an accuracy of ±1 °C over the range of -5 to 20 °C, 2 °C thereafter.

Each FoodSafe measures Ø25 x 150 mm and is supplied with a stainless steel hook for hanging in a fridge or cold cabinet.



Order code	Description
803-900	FoodSafe thermometer

# SPIRIT-FILLED FRIDGE OR FREEZER THERMOMETERS

## Spirit-filled thermometers



These spirit-filled fridge/freezer thermometers feature clearly marked colour-coded zones for ease of reading.

The horizontal thermometer indicates temperature over the range of -30 to 40 °C in 1 °C divisions. The ABS housing measures 53 x 130 mm. The vertical thermometer indicates temperature over the range of -30 to 40 °C in 1 °C divisions. The ABS case measures 24 x 150 mm.

Order code	Description
803-000	Vertical spirit-filled
803-050	Horizontal spirit-filled

## Clear spirit-filled thermometer



This spirit-filled fridge/freezer thermometer is encased in a clear ABS housing (20 x 30 x 122 mm). The thermometer's colour-coded zones indicate temperature over the range of -40 to 20 °C and -40 to 80 °F with a 1 °C resolution.

The unit is designed to be hung from a shelf in a fridge, freezer or cold cabinet, alternatively it could be wall-mounted (brackets supplied).

Order code	Description
803-925	Clear spirit-filled thermometer
803-930	Clear spirit-filled - box of 10

# DIGITAL FRIDGE THERMOMETER

- Energy saving light sensor - 5 years of battery life
- Food safety zone indicator

This water-resistant (IP65) fridge thermometer incorporates a large and clear digital display that indicates temperature over the range of -9.9 to 49.9 °C with a 0.1 °C resolution.

The thermometer features a unique food safety zone icon \* in the display that will remain on the screen whilst within the range of 0 and 5 °C and will flash to indicate being outside of this range.

The fridge thermometer's energy saving feature turns the unit off when deprived of light, maximising battery life. The unit is powered by a single CR2032 battery with a life expectancy of 10,000 hours normal use.

The unit is housed in an ABS case that measures 26 x 45 x 73 mm and can be free-standing or hung from a shelf.



IP65

Order code	Description
810-251	Digital fridge thermometer

Specification	Digital fridge
Range	-9.9 to 49.9 °C
Resolution	0.1 °C
Accuracy	±1 °C
Battery	3 volt CR2032 lithium coin cell
Battery life	10,000 hours
Display	Custom LCD
Dimensions	26 x 45 x 73 mm
Weight	40 grams

## FRIDGE OR FREEZER THERMOMETER

- Dual sensors for room & appliance temperatures
- Programmable high/low audible alarm

This max/min and alarm fridge or freezer thermometer indicates temperature over the range of -24.9 to 69.9 °C with a resolution of 0.1 °C/°F and an accuracy of ±1 °C.

The thermometer features a clear LCD display, max/min memory function to record the highest and lowest temperatures and a high/low programmable audible alarm. The unit incorporates two temperature sensors, a remote water-resistant probe with one metre PVC lead for the appliance temperature and an internal sensor for the room temperature.

The remote probe can be mounted onto the internal wall of the fridge using the suction pad or mounting bracket supplied. The thermometer is housed in a durable ABS case and incorporates a foot stand for shelf mounting.



Remote probe



Order code	Description
810-225	Digital fridge or freezer

Specification	Digital fridge or freezer
Range	-24.9 to 69.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C
Battery	3 volt CR2032 lithium coin cell
Battery life	3,000 hours
Display	Custom LCD
Dimensions	16 x 50 x 82 mm
Weight	50 grams

## FRIDGE OR FREEZER THERMOMETER

- Programmable high/low audible alarm
- Records the max/min temperatures

This fridge or freezer thermometer features a clear LCD display, max/min, audible alarm and incorporates two temperature sensors; a remote water-resistant probe with one metre PVC lead for the appliance temperature and an internal sensor for the room temperature.

The remote probe can be mounted onto the internal wall of the fridge using the suction pad or mounting bracket supplied. The thermometer is housed in a durable ABS case and incorporates a foot stand for shelf mounting.



Remote probe



- **Optional UKAS Certificate of Calibration**  
An optional two-point UKAS Certificate of Calibration is available. Each certificate indicates deviations from standards at -18 and 0 °C.

Order code	Description
810-210	Fridge or freezer thermometer
891-210	810-210 with UKAS certificate

UKAS certificate applies to remote probe only

Specification	Digital fridge or freezer
Range	-49.9 to 69.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C
Battery & life	1.5 volt AAA - 5000 hours
Display	Custom LCD
Dimensions	15 x 52 x 73 mm
Weight	55 grams

# TEMPTAG® THERMOMETER

- Portable and versatile max/min thermometer
- Water-resistant to IP65

The TempTag's max/min memory function makes it the ideal thermometer for users looking to record the highest and lowest temperatures.

Measuring temperature over the range of -20 to 60 °C with a resolution of 0.1/1 °C, the TempTag's clear LCD display and °C/°F switchable function make it a versatile thermometer for various applications.

The TempTag is powered by a single CR2032 battery with a life expectancy of 10,000 hours normal use.

This compact unit is available in three colours: white, red or blue. Each unit incorporates a hook into the design for easy wall mounting.



**NEW Humidity model - see page 119**

Order code	Description
810-241	TempTag thermometer - white
810-244	TempTag thermometer - red
810-245	TempTag thermometer - blue

Specification	TempTag
Range	-20 to 60 °C
Resolution	0.1/1 °C
Accuracy	±1 °C between 0 to 40 °C, otherwise ±2 °C
Battery	3 volt CR2032 lithium coin cell
Battery life	10,000 hours
Sensor type	Thermistor
Display	Custom LCD
Dimensions	10 x 38 x 54 mm
Weight	25 grams

# THERMAGUARD® HIGH ACCURACY THERMOMETERS

- Two models available - single or dual external sensors
- Optional UKAS Calibration Certificate available

These high system accuracy fridge or freezer thermometers feature a large LCD display, which simultaneously display the current and max/min recorded temperatures.

Both units feature programmable audible alarms allowing the user to preset high and low temperature limits. When the alarm is active the LCD will flash. The alarm can be silenced by pressing any button.

A CalCheck 0.0 °C (±0.1 °C) function allows the user to verify the accuracy of the thermometer at any time, giving confidence that measurements are accurate. Each unit is supplied with a plastic wall bracket with built-in footstand. The magnetic mount attaches to the wall bracket and allows for easy convenient fixing to fridges and freezers.



Order code	Description
226-511	ThermaGuard 101
891-511	226-511 with UKAS Cert
226-512	ThermaGuard 102
891-512	226-512 with UKAS Cert
830-880	Protective silicone cover - black
832-590	ABS wall bracket
830-800	Magnetic mount

Specification	ThermaGuard
Range - internal	-19.9 to 49.9 °C (101 model only)
Range - external	-39.9 to 49.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.4 °C
Battery	2 x 1.5 volt AA
Battery life	25,000 hours (normal use, w/out alarm)
Sensor type	Thermistor
Display	Custom LCD
Dimensions	29 x 73 x 96 mm
Weight	165 grams

**UKAS certificate applies to remote probe(s) only**

**Optional UKAS certificate of calibration available**

# MEAT ROASTING & OVEN THERMOMETERS

## Ø55 mm dial oven thermometer

- Indicates temperature over the range of 0 to 300 °C
- Robust stainless steel case

This stainless steel oven thermometer features a clear Ø55 mm dial with colour-coded zones. The green marker indicates the minimum temperature that commercial heated display units should be kept at.

The oven thermometer indicates temperature over the range of 0 to 300 °C in 10 °C divisions. The case measures 43 x 66 x 80 mm.

This oven thermometer can be free-standing or hung from a shelf and should be positioned in the middle of the oven for the most accurate temperature reading.



Specification	Dial oven thermometer
Range	0 to 300 °C
Resolution	10 °C
Accuracy	±10 °C
Dimensions	43 x 66 x 80 mm
Weight	49 grams

Order code	Description
800-809	Ø55 mm dial oven thermometer

## Ø45 mm meat dial thermometer



The meat dial thermometer incorporates a Ø45 mm dial with a Ø4 x 105 mm stainless steel pointed probe. The unit indicates temperature over the range of 0 to 120 °C in 1 °C divisions.

For accurate temperature measurement, insert the unit into the thickest part of the meat or poultry. The dial is clearly marked for beef, lamb, pork and poultry.

Order code	Description
800-804	Ø45 mm meat dial thermometer

## Ø60 mm meat dial thermometer



This meat dial thermometer features a large Ø60 mm dial with a Ø5 x 102 mm stainless steel pointed probe. The unit indicates temperature over the range of 20 to 100 °C in 2 °C divisions.

For accurate temperature measurement, insert the probe into the thickest part of the meat or poultry. The dial incorporates colour-coded markers for beef, lamb, pork and poultry for fast, easy reading.

Order code	Description
800-884	Ø60 mm meat dial thermometer

## Ø50 MM FRYING THERMOMETER

- Indicates temperature over the range of 0 to 300 °C
- Marked for meat, poultry and fish and chips

This frying thermometer incorporates a Ø50 mm dial and a pointed, stainless steel Ø4 x 150 mm probe. The frying thermometer indicates temperature over the range of 0 to 300 °C in 10 °C divisions.

The temperature of cooking oil is almost always between 177 °C and 190 °C although chips are better cooked at 200 °C.

Simply insert the thermometer stem into the oil for an accurate temperature reading. The dial is clearly marked for meat, poultry, fish and chips.

Each unit is supplied with a stainless steel probe holder clip, ideal for clipping onto the side of pots and pans to hold in place a temperature probe.



Order code	Description
800-805	Frying thermometer
830-220	Ø4 mm probe holder clip

- Ø4 mm probe holder clip (830-220)

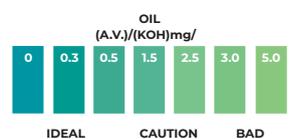
## FRYING OIL QUALITY TEST STRIPS

- Inexpensive, no sample preparation or special training required
- Use in cold oil under 40 °C

These Frying Oil Quality Test Strips will help you keep the quality of your fried food high, as well as helping save money by preventing the premature disposal of cooking oil. The test strips work equally well in animal, vegetable and A/V blend frying oil (shortening). They are sold in storage bottles of 100 Oil Quality Test Strips which includes an easy-to-read colour chart.

To test your fryer oil, hold the test strip by the long white end, and dip the test strip into the oil (max oil temperature 40 °C) so all of the coloured band is submerged. Hold the test strip in the oil for two seconds, then remove it and wait two minutes, next, compare the strip to the colour chart. It is recommended that the testing of the frying oil is carried out at the start of each shift/working day before the user starts to apply heat to the oil.

To ensure accuracy, the test strips should not be stored in humid conditions or in an area where they may be exposed to water or oil before use.



Order code	Description
800-890	Frying Oil Quality Test Strips x 100

# DOT - DIGITAL OVEN THERMOMETER

- Programmable high alarm
- Large backlit LCD display

The DOT is an easy-to-use cooking thermometer that displays both the current temperature and alarm set temperature. Simply set the desired temperature using the buttons, insert the probe into your food, the DOT will beep, and the display will flash when the temperature is reached.

The DOT incorporates a large LCD display and loud 70dB audible alarm making it ideal for use in busy, commercial kitchens.

The unit is durable and water-resistant and is designed to either sit on a worktop using the fold out stand, or attach to an appliance using the magnetic pads.

Each unit is supplied with a 114 mm penetration probe (810-078) with a 1.2 metre stainless steel braided lead. See below for full probe specification and alternative probes.



model available see page 38



Specification	Digital Oven Thermometer
Range	-50 to 300 °C
Resolution	1 °C/°F
Accuracy	±1 °C (-20 to 120 °C)
Battery & life	2 x 1.5 volt AAA - 5,000 hours
Alarm volume	70dB
Sensor type	Thermistor
Display	Custom LCD
Dimensions	24 x Ø80 mm
Weight	97 grams

Order code	Description
810-031	DOT - digital oven thermometer - white
810-030	DOT - digital oven thermometer - charcoal grey
830-157	Zip wallet (see page 38)
830-310	Probe spool (see opposite page)

## PRO-SERIES PROBES\*

		Order code
<b>PENETRATION PROBE</b>  Ø3.5 x 150 mm	This probe features a fast response, stainless steel reduced tip, which is moisture-resistant and ideal for continuous monitoring in ovens or similar. Supplied with a 1.2 metre stainless steel braided lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -50 to 300 °C</li> </ul>	810-071
<b>PENETRATION PROBE</b>  Ø3.5 x 114 or 305 mm	This stainless steel, reduced tip probe is moisture-resistant and ideal for continuous monitoring in ovens or similar. Supplied with a 1.2 metre stainless steel braided lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -50 to 300 °C</li> </ul>	810-078 (114 mm) 810-075 (305 mm)
<b>OVEN/AIR PROBE &amp; CLIP</b>  grate clip → Ø3.5 x 50 mm	This oven/air probe is ideal for monitoring air temperatures. Using the grate clip provided, attach the probe to an oven rack/shelf. Supplied with a 1.2 metre stainless steel braided lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -50 to 300 °C</li> </ul>	810-076 830-530 (spare clip)
<b>MINIATURE NEEDLE PROBE</b>  Ø1.6 x 90 mm	This stainless steel, miniature needle probe is moisture-resistant and ideal for sous vide cooking. Supplied with a 1.2 metre silicone lead. <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -50 to 300 °C</li> </ul>	810-072

\*Suitable for use with the DOT, BlueDOT, ChefAlarm, Smoke, Signals thermometers and RFX Gateway.

# CHEFALARM® THERMOMETER & TIMER

- Interchangeable Pro-Series probes
- Programmable high/low alarm

The ChefAlarm is a professional cooking thermometer and timer which displays the countdown/up time, current temperature and simultaneously displays both the high/low alarms and max/min temperatures.

The timer is fully programmable, allowing the user to set the countdown/up time to/from 99 hours and 59 minutes. The unit incorporates a large, easy-to-read LCD display with user selectable backlight and a loud audible alarm with adjustable volume to 92dB.

The ChefAlarm also includes a calibration function allowing the user to fine-tune the accuracy of the thermometer ( $\pm 2.2^{\circ}\text{C}$ ). The unit is housed in a water-resistant casing and is designed to either sit on a worktop or attach to an appliance using the magnetic pads at the rear of the instrument.

Each unit is supplied in a zip wallet complete with a penetration probe (810-071) and probe holder clip.

Order code	Description
810-041	ChefAlarm - white
830-157	Protective zip wallet (see page 38)
830-310	Probe spool



## ● Probe Spool (830-310)

Keep your probes safe and organised. Supplied with an in-built magnet to allow fixing on any metal surface.



Specification	ChefAlarm
Range	-50 to 300 °C
Resolution	0.1 °C/°F
Accuracy	$\pm 1^{\circ}\text{C}$ (-20 to 120 °C)
Battery & life	2 x 1.5 volt AAA - 5,000 hours
Alarm volume	<92dB
Sensor type	Thermistor
Display	Custom LCD
Dimensions	19 x 70 x 152 mm
Weight	165 grams

# TIMEWASH® TIMER

- Encourages proper hand-washing procedures
- Easily activated by a wave of the hand

This countdown TimeWash timer is designed for use in restaurants, hospitals, schools and in any businesses where hand hygiene is critical. The unit is easy to install and can be mounted on a wall near the sink using Velcro (supplied) or double-sided tape.

The TimeWash timer is easily activated by a wave of the hand that starts the countdown timer. The large clear LCD acts as a visual progress monitor, and when the time is complete the user will hear a loud audible alarm indicating that their hand wash is complete. Incorporating eight pre-set countdown times, 20, 30 and 40 seconds, 1, 2, 3, 4 and 10 minutes, the set time button is discreetly positioned on the rear of the unit.

The TimeWash timer is a great tool to encourage employees to take the time to properly wash their hands by giving them a visual cue.

Order code	Description
806-201	TimeWash timer



Specification	TimeWash Timer
Range (pre-set)	20, 30 and 40 seconds, 1, 2, 3, 4 and 10 minutes
Resolution	Seconds & Minutes
Accuracy	1% FS
Battery	2 x 1.5 volt AAA
Battery life	3 months
Display	Custom LCD
Dimensions	20 x 91 x 101 mm
Weight	130 grams

# BLUEDOT *BLUETOOTH*<sup>®</sup> THERMOMETER

- Monitor your cooks via ETI app
- 25 metre *Bluetooth*<sup>®</sup> range

The BlueDOT combines the simplicity of the DOT Digital thermometer, our top-rated alarm thermometer, with the connectivity of Bluetooth giving you one simple, connected, and powerful thermometer.

Simply set your temperature target with the up or down buttons, or direct from your smartphone, and the BlueDOT will beep when it gets there.

Hear your alarms on the BlueDOT and your smart device with the free mobile app. The Bluetooth connection also allows you to track max/min temperatures and graph your cook.

- Protective zip wallet (830-157)

Perfect for protecting and transporting your ETI instrument. Dimensions 50 x 200 x 240 mm



Order code	Description
825-080	Blue DOT - Bluetooth thermometer
830-157	Protective zip wallet



Scan below for ETI app and cloud info



Specification	BlueDOT
Range	-50 to 300 °C
Resolution	1 °C/°F
Accuracy	±1 °C (-20 to 120 °C)
Bluetooth module	Bluetooth version 4.1 Range: 25 metres (device dependent)
Battery & life	2 x 1.5 volt AAA - 500 hours (using bluetooth)
Alarm volume	70dB
Sensor type	Thermistor
Display	Custom LCD
Dimensions	24 x Ø80 mm
Weight	98 grams

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.

# SMOKE WIRELESS BBQ THERMOMETER

- Includes Smoke thermometer, Smoke receiver & probes
- Arrives pre-paired with receiver – no setup required

The Smoke BBQ wireless thermometer has been designed for all those who want to enjoy a stress free BBQ. With two probe connectors, users can monitor the temperatures of their meat and pit simultaneously, excellent for maintaining control over low and slow cooks where pit temperature is critical. The device has the option to set both high and low alarms, useful for any unruly BBQs. Probes are included.

The large backlit display boasts large digits viewable from a distance and the device has a wireless range of 300 feet. Supplied pre-paired with the receiver so it works straight out of the box with no set-up required between the Smoke and Smoke receiver.



Order code	Description
825-070	Smoke wireless BBQ thermometer
830-310	Probe Spool
836-220	Single-use probe wipes
830-278	High temp coloured probe rings (8 pk)



Specification	Smoke
Probe range	-50 to 300 °C
Operating range	0 to 50 °C
Resolution	0.1 °C
Accuracy	±1.0°C (-20 to 120 °C) ±2.0 °C (-50 to -20 °C / 120 to 200°C) ±3.0 °C (200 to 300 °C)
Alarm	Smoke 90dB / Receiver 75dB
Transmission range	Over 90 metres line of sight
Battery & life	Smoke 2 x AA / Receiver 2 x AA - 1800 hours
Sensor type	Thermistor
Dimensions	Smoke 25.6 x 96 x 119 mm Receiver 25.6 x 52 x 107 mm
Display	Smoke 51 x 75 mm / Receiver 33 x 54.6 mm
Weight	Smoke 265 grams / Receiver 142 grams

# SIGNALS WI-FI & BLUETOOTH® BBQ THERMOMETER

- Supplied complete with probes
- Monitor your cooks via ETI app



Scan below for ETI app and cloud info



The Signals with built-in Wi-Fi and Bluetooth®, controls four channels of continuous temperature monitoring, built specifically for measuring the temperature of up to three meat joints whilst monitoring the temperature of your pit. Signals is a 4-channel alarm thermometer that works with your smart device AND as a stand-alone unit with physical buttons.

Signals comes with both Bluetooth and Wi-Fi on-board, seamlessly switching between the two, so you get a continuous signal and real-time alerts.

Setup is quick and easy and Signals is supplied with three pro-series high temperature cooking probes, one pro-series high temperature air probe, and grate clip, 12V USB power adapter, and 8 high temperature silicone coloured probe rings.

- **FREE app** Set alarms, receive alerts, view and save graphs, name channels, connects via Wi-Fi or Bluetooth.

Order code	Description
825-050	Signals thermometer
830-157	Protective zip wallet (see opposite)
830-278	High temp coloured probe rings (8 pk)



Specification	Signals
Probe range	-50 to 300 °C
Operating range	0 to 50 °C
Resolution	0.1 °C
Accuracy	±1.0 °C (-20 to 120 °C) ±2.0 °C (-50 to -20 °C / 120 to 200°C) ±3.0 °C (200 to 300 °C)
Alarm volume	90dB
Bluetooth module	BLE 4.2 - range about 30 m line of sight (device dependent)
Radio frequency	2.4 GHz (Wi-Fi range router dependent)
Battery life	Rechargeable, about 16 hours
Charging time	12 hours
Sensor type	Thermistor
Dimensions	49 x 83 x 132 mm
Weight	266 grams

# BILLOWS BBQ TEMPERATURE CONTROL FAN

- Maintain continual temperature control and monitor via ETI app
- Connects with Signals and RFX GATEWAY

The Billows temperature control fan enables you to control both your pit and meat temperatures through increasing air flow, as required, into your BBQ. The device assists you in cooking perfect, succulent BBQ meats over the course of many hours without having to worry about flare-ups, burn-outs, vent adjustments, or tending the coals.

The Billows connects to the Signals or RFX Gateway via a USB-C® cable which is supplied with the Billows device. The Billows fan quickly gets your BBQ up to the target temperature and maintains this temperature through air flow control. The powerful fan maintains precise temperature control, whether you're cooking in a ceramic, barrel, or almost any other enclosed BBQ.

Order code	Description
825-079	Billows
825-078	Kamado mounting plates (2 pk)
825-071	Billows damper



- **Damper (825-071)**  
Restricts the air flow into your Billows



- See our website for adaptors and mounts

Specification	Billows
Range	Operating range up to 260 °C
Battery	12V AC powered
Connector	USB-C (supplied)
USB-C wire	Connector length 2 metres
Dimensions	Connector: 12 x 25 x 37 mm (main body) Fan: 54 x 88 x 157 mm
Weight	238.5 grams

**Please note:** Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.



# RFX® MEAT WIRELESS THERMOMETER

- Track core meat temperatures from your device
- Use up to 50 probes with one GATEWAY
- Reliable wireless connection
- Up to 50 hours of battery life with a 10-minute charge

The new RFX® MEAT is a premium wireless meat probe built for reliability. Its powerful radio frequency technology cuts through walls, ovens, and BBQs, giving you consistent, worry-free temperature monitoring from anywhere.

RFX MEAT withstands ambient temperatures up to 538 °C with an ultra-fine 5.4 mm probe, ideal for delicate foods. It is fully (IP69K) waterproof and dishwasher safe and charges in 10 minutes for up to 50 hours of use.

## Commercial-grade Meat Probe

RFX ensures safe and delicious results whilst streamlining your kitchen workflow. Keep track of multiple meats at a glance without opening your oven or BBQ. Insert the wireless RFX MEAT probe into your food, then monitor it remotely using the free ETI app. Get alerted to ensure perfect results, and save your cooking history for easy food safety audits.

Four internal sensors ensure precise core readings. RFX MEAT comes with a free traceable certificate of calibration, available to download.



Must be paired with RFX GATEWAY (825-180). Sold separately - see opposite page.

## HOW RFX MEAT WORKS



- ✓ Set high/low alerts
- ✓ View live and historical temperature graphs
- ✓ Monitor up to 50 RFX MEAT probes at once
- ✓ Cloud subscriptions available

- Charging block and coloured probe rings included with RFX MEAT.



Order code	Description
825-170	RFX MEAT

Must be paired with RFX GATEWAY (see opposite)



Specification	RFX MEAT
Range - internal	-18 to 100 °C
Range - external	-18 to 538 °C
Accuracy	±0.5 °C (-10 to 100 °C)
Battery life	Up to 52 hours from a 10-minute charge (80%). Over 65 hours from a 20-minute charge (100%)
Charging block - probe charging	175+ full charges per AAA battery
Charging block - Charging speed	0-80% in 10 minutes; 0-100% in 20 minutes
Charging block - battery	1.5 V AAA
Wireless communication	433Mhz radio frequency
Transmission distance	Battery powered RFX GATEWAY: 650 m (2,132 ft.), AC Powered RFX GATEWAY: 385 m (1,263 ft.) (RFX MEAT to RFX GATEWAY)
Sensor type	Thermistor, 4 Sensors
Dimensions - probe	Ø5.4 x 122 mm (reduces to Ø2.8 mm)
Dimensions - charging block	20.5 x 23 x 143 mm
Weight	7 grams (probe only) 60 grams (with charging unit)

FREE traceable certificate of calibration, available to download

# RFX® GATEWAY WIRELESS RECEIVER

- Seamless radio frequency technology
- Blasts readings through ovens and grills
- Connect to WiFi to monitor from anywhere
- Free ETI app for tracking your cooks



The new RFX GATEWAY enables seamless wireless meat monitoring with a completely uninterrupted connection. Pair RFX MEAT with the RFX GATEWAY to transmit accurate temperature readings to your device via WiFi or Bluetooth®, Monitor your cook remotely in the free ETI app, receive real-time alerts, and automatically save your cooking history for easy food safety audits.

Advanced radio frequency technology ensures a strong, stable connection through thick ovens, barbecues, and walls. With a 457-metre line-of-sight range and monitoring for up to 50 probes per GATEWAY, setup is effortless. Pair once and you're always connected.

GATEWAY connects to the ETI app, letting you track cooks live and receive notifications wherever you are. Create a FREE ETI Cloud account to access your data from any browser, giving you total flexibility and control. RFX GATEWAY is fully compatible with the Billows BBQ control fan, maintaining your target pit temperature automatically. No more flare-ups, burn-outs, vent adjustments, and constant coal management.

Each unit includes a Pro-Series air probe for precise pit readings, a grate clip, power adaptor, USB-C® cable and probe rings.

- ✓ GATEWAY connects to the ETI app
- ✓ Track cooks in real-time and receive alerts
- ✓ Create a FREE ETI cloud account to access data
- ✓ Compatible with Billows



Must be paired with RFX MEAT (825-170). Sold separately - see opposite page.

Scan below for ETI app and cloud info



- **860-170 RFX Starter Kit (1 Probe)**  
Wireless cooking thermometer system. Includes RFX GATEWAY, RFX MEAT, charging block, power adaptor, USB-C® cable, Pro-Series air probe, gate clip and probe rings. Available kits with 1, 2, 4, 10 & 50 probes.



Order code	Description
825-180	RFX GATEWAY
860-170	RFX Starter Kit - 1 probe
860-172	RFX Starter Kit - 2 Probes
860-174	RFX Starter Kit - 4 Probes
860-1710	RFX Starter Kit - 10 Probes
860-1750	RFX Starter Kit - 50 Probes

**Must be paired with RFX MEAT**

Specification	RFX GATEWAY
Range	-50 to 300 °C
Accuracy	±0.5 °C (-10 to 100 °C) ±1.5 °C (-50 to -20 °C) 100 to 200 °C ±2.5 °C from 200 to 300 °C
Battery life	24 hours
Transmission distance	Battery powered RFX GATEWAY: 650 m (2,132 ft.), AC Powered RFX GATEWAY: 385 m (1,263 ft.) (RFX MEAT to RFX GATEWAY)
Bluetooth	4.2 (set up)
Dimensions	27.25 x 55.85 x 88.5 mm
Wireless	802.11 b/g/n (2.4 GHz)
Weight	117 grams

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.



CATERING

# DIGITAL KITCHEN TIMERS

## Countdown/up timer - mins & secs



This countdown/up timer incorporates a louder than average 70 dB audible alarm. The timer is fully programmable, allowing the user to set the time up to 99 minutes and 59 seconds.

The unit is powered by one AAA battery and is designed to sit on a worktop or be attached to an appliance via the magnetic pad at the rear of the instrument.

Order code	Description
806-101	Countdown/up timer

## Countdown/up timer - hours, mins & secs



This countdown/up timer features a louder than average 80 dB audible alarm and offers full programmability up to 99 minutes and 59 seconds or 19 hours and 59 minutes.

A single AAA battery provides up to 10 years of use. The unit can sit on any work surface or attach to equipment using the strong magnetic pad on the back.

Order code	Description
806-105	Countdown/up timer

## Water-resistant countdown timer



This countdown timer is water-resistant to IP65 and features a large digital display and audible alarm with variable volume control, allowing the user to set up to a maximum volume of 95 dB.

The keypad allows the user to set times up to 99 hours, 99 minutes and 99 seconds. The timer incorporates magnetic pads and a keyhole slot for wall-mounting or attaching to an appliance. The unit measures 22 x 89 x 130 mm and is powered by two AAA batteries.

Order code	Description
806-150	Water-resistant countdown timer

## Extra Big & Loud timer



The Extra Big & Loud timer features a rugged housing and is water-resistant to IP65. It includes a variable volume control, allowing the user to set up to a maximum volume of 110 dB - ideal in busy professional kitchens.

When a countdown alarm sounds, the count up timer starts so you will see how much time elapses after your alarm. The memory keeps your last countdown setting. The timer incorporates two magnetic pads and a flip-out stand. The unit measures 28 x 90 x 130 mm and is powered by a 9 volt PP3 battery.

Order code	Description
806-160	Extra Big & Loud timer

# DISHTEMP® THERMOMETER

- Simulates maximum plate surface temperatures
- Waterproof to IP66
- HACCP compatible
- FREE traceable certificate of calibration

The DishTemp thermometer simulates a plate as it's cleaned and sanitised in a commercial dishwasher, accurately recording the maximum surface temperature at the touch of a single button, eliminating the need for costly and inaccurate test strips and stem thermometers that do not stay in place or record the surface temperature of a plate.

The instrument indicates temperature over the range of 0 to 90 °C with a resolution of 0.1 °C/°F and an accuracy of ±0.5 °C. Incorporating a durable water-tight seal, the DishTemp thermometer is waterproof to IP66 and is supplied complete with a FREE one point (71 °C ) traceable certificate of calibration.



model available  
see page 65

- **Stainless steel wall bracket (832-280)**  
This handy, stainless steel, wall-mounted thermometer holder lets you store your DishTemp thermometer safely - wherever you need it.



Order code	Description
810-280	DishTemp thermometer
832-280	Stainless steel wall bracket

Specification	DishTemp
Range	0 to 90 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C
Battery	3 volt CR2032 lithium coin cell
Battery life	5,000 hours
Display	Custom LCD
Dimensions	14 x Ø127 mm
Weight	120 grams
<b>FREE traceable certificate of calibration included</b>	

# ANTI-BACTERIAL WIPES

Anti-Bacterial wipes are ideal for reducing harmful bacteria in the food industry. Each wipe is pre-saturated with a broad spectrum anti-bacterial solution that is odourless and does not taint food. The wipes are effective against a wide range of bacteria including listeria and salmonella.

## Single-use Probe Wipes



These convenient, single-use, white, anti-bacterial Wipes are safe and easy-to-use and designed for one-time use.

836-220 Box of 100, each wipe measures 30 x 60 mm

Order code	Description
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836-220	Box of 100 single-use Probe Wipes
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## Tubs of 180 QAC free Probe Wipes



This stainless steel wall bracket enables a single tub of 180 wipes to be conveniently positioned to dispense wipes at work-stations and counters, or wherever the user requires.



- **Stainless steel wall bracket 832-305**

Each tub contains 180 blue QAC free, anti-bacterial Probe Wipes that measure 130 x 130 mm.

The tubs are supplied in cartons of six tubs of 180 Probe Wipes.

An optional wall bracket is available, enabling a single tub of wipes to be conveniently positioned. (screws not supplied).

Order code	Description
------------	-------------

836-050	Carton x 6 tubs of Probe Wipes
832-305	S/steel wall bracket for single tub

# ACCESSORIES

## Wall brackets

These handy, stainless steel or ABS wall brackets allow users to store specific thermometers safely when not in use (screws not supplied).



Order code	Description
832-015	Waterproof Therma series s/s wall bracket
832-050	Therma series s/s wall bracket & cover
832-590	ThermaGuard/WiFi ABS wall bracket

## Protective silicone covers

Protect your instruments against accidental damage by fitting them with a protective cover. We offer a wide range of protective silicone covers tailored to fit most of our instruments. Selected covers are available in red, yellow, blue, green, black and white.



Order code	Description
830-221	Therma series - white*
830-231	Waterproof Therma series - white*
830-258	Waterproof Therma series inc. magnet
830-260	Thermapen Classic
830-455	Thermapen One
830-270	ThermaData Logger
830-431	TempTest 1 & 2 - white*
830-880	ThermaGuard/ThermaData WiFi

\*For other colours see page 9 for TempTest, page 14 for Therma Series or page 20 for Waterproof Therma Series

## Waterproof protective pouches

These fully waterproof protective pouches are manufactured from flexible PVC that can be used to protect a variety of instruments in damp or wet environments. Each pouch measures 125 x 230 mm.

The 830-410 is supplied with a single integral lead, thermocouple (T/C) plug and socket. The 830-411 with a single integral lead, thermistor plug and socket and the 830-442 with dual integral leads, thermocouple (T/C) plugs and sockets. For more information contact our sales office or visit our website.



Order code	Description
830-410	PVC pouch K T/C lead
830-442	PVC pouch & 2 K T/C leads
830-411	PVC pouch & thermistor lead

## Temperature log book



Each log book allows the user to enter three readings per day consisting of the temperature, time and initials of the person responsible for recording the data.



Order code	Description
831-100	A5 temperature log book
831-105	A5 log book - pack of 10



# REMOTE TEMPERATURE MONITORING

Automating your processes using data loggers eliminates time-consuming temperature checks. In addition, it will enable you to keep a more accurate, organised and accessible data archive.

We have a range of loggers that suit different budgets and applications, from blind loggers ideal for transportation to WiFi loggers that send notifications for ultimate security. And with free user-friendly software available, integrating a new paperless system into your business couldn't be easier.

## REMOTE MONITORING BENEFITS

There are many benefits to choosing data loggers, including:

- Save time and money on manual labour
- Add a time and date stamp to your readings
- Prevent recordings from being falsified or written incorrectly
- Keep a more organised and accessible data archive
- Enable swift corrective actions to avoid costly damages

## USB DATA LOGGERS

USB data loggers automatically take readings at programmed intervals. The readings are stored within the instrument and can then be transferred to your PC using a USB connector.

These are most commonly used for ambient readings, such as fridge/freezer temperatures and room temperature or humidity. But they can also be used to track the internal temperature of perishables over a period of time, such as during transportation.

## WiFi DATA LOGGERS

Like USB data loggers, WiFi loggers take readings at programmed intervals. But instead of needing to connect to a computer to download the readings, they are automatically transmitted using Wi-Fi.

The benefit of this is that users can monitor the results in real time, even receiving notifications for out-of-range readings. This provides the highest level of security where temperatures are critical, enabling corrective actions to be taken instantly and preventing costly damages.

## FREE SOFTWARE

ThermaData® Hub. For more information, see pages 66 and 67.

For compatible products, look for this icon displayed on each product page. Free to download from our website.



# THERMAPOD USB LOGGER

- No software required to download data
- Records up to 7,500 readings
- Splashproof to IP65
- Temperature range -25 to 85 °C

The ThermaPod USB logger is the ideal choice for logistics and transportation. With no software required, the logger will generate its own PDF report when plugged into a computer, allowing the user to easily accept or reject a delivery.

The ThermaPod measures temperatures over the range of -25 to 85 °C with a 0.1 °C resolution and is splashproof to IP65. Using the two buttons on either side of the LCD screen, the user can program set intervals between six and 255 minutes. The logger can store up to 7,500 readings.

Each unit is powered by a 3-volt CR2032 battery that gives up to 10,000 hours of continuous use. When idle, the display will automatically power off after 30 seconds, maximising battery life.

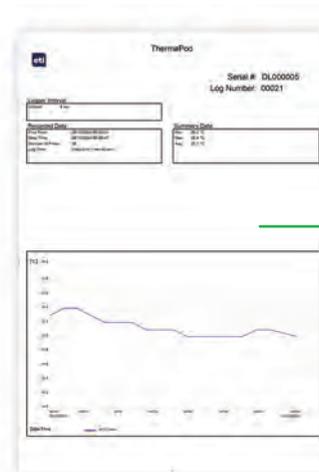
The unit incorporates an LED that will flash green when the data function is on and red when it is connected to a computer.



REMOTE MONITORING

- **Download data instantly**

Simply plug the ThermaPod USB Logger into a computer to generate a PDF report



● Example of PDF file



Specification	ThermaPod USB Logger
Range	-25 to 85 °C
Resolution	0.1 °C
Accuracy	±0.5 °C (-10 to 70 °C) otherwise ±1 °C
Memory	7,500 readings
Sample rate	6 to 255 minutes
Battery	3 volt CR2032 lithium coin cell
Battery life	10,000 hours
Display	Custom LCD
Dimensions	14.5 x 26 x 76 mm
Weight	26 grams

Order code	Description
825-290	ThermaPod USB Logger

# THERMADATA® LITE LOGGER

- LED shows if limits are exceeded
- Customised high/low alarm facility
- Auto PDF summary
- FREE software to download

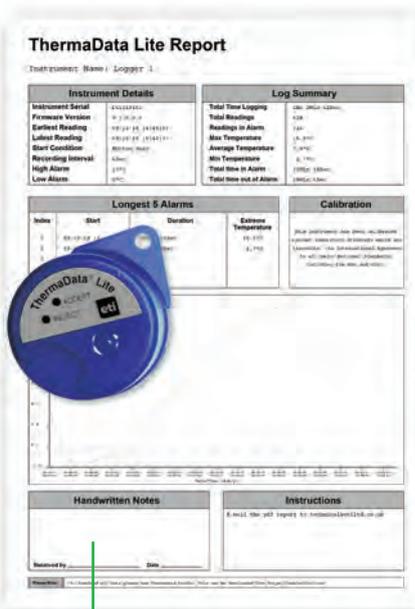


The ThermoData Lite logger is a cost effective, self-contained temperature data logger or blind recording thermometer that is designed to record the temperature of the surrounding environment. The ThermoData Lite logger is housed in a water-resistant polyethylene case and incorporates two LED status indicators.

The ThermoData Hub software allows the user to programme the logging sample/interval rate (6 seconds to 255 minutes), the real-time clock, °C/°F, delayed start (maximum 23 hours, 59 minutes), push-button start, temperature start or time start and a 31-character user ID. The software also incorporates a password protected calibration adjustment feature that allows the user to check the calibration of loggers and make minor adjustments of 0.1 °C (±3 °C).

The user can also set, within the software, high and low alarm values for a specific application. A push of the button will allow a simple visual inspection of the unit to show if either of these limits have been exceeded. A flashing red LED will warn the user that the alarm limits have been exceeded (reject) or a flashing green LED will advise the user that the alarm limits have not been exceeded (accept).

REMOTE MONITORING



● **Example of PDF file**

The automatic report generated shows key information such as instrument details, log summary and longest alarms. The PDF also displays an intuitive graph for easy visual indication.

Order code	Description
293-010	ThermoData Lite - white
293-020	ThermoData Lite - yellow
293-050	ThermoData Lite - blue
293-070	ThermoData Lite - black
812-510	USB-C® lead

● **Colour-coded data loggers**

Available in a variety of coloured cases; blue, yellow, white and black. These colour-coded cases help to prevent cross contamination by allowing the user to allocate a colour to a specific product or application. Other applications include different coloured loggers to make it easier to identify, for example; the building and construction industry where loggers can often blend in with the environment.

**ThermoData® Hub: Simple, smart, subscription-free HACCP software**

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.



Specification	ThermoData Lite
Range	-40 to 85 °C
Resolution	0.1 °C
Accuracy	±0.5 °C
Memory	16,000
Sample rate	6 seconds to 255 minutes
Battery	3.6 volt ½ AA lithium
Battery life	Minimum 3 years
Dimensions	Ø55 x 25 mm
Weight	40 grams

**Optional UKAS Certificate of Calibration available**



# THERMADATA® STAINLESS STEEL PRO LOGGERS

- Integral USB interface for setup & download
- Auto PDF summary
- High temperature range -20 to 125 °C
- 6 probe options available

These ThermaData Stainless Steel Pro loggers are ideal for food, pharmaceutical and other applications where a high temperature data logger is required. The Stainless Steel Pro is housed in a waterproof, food grade 316 stainless steel case to protect the logger from corrosion, impact and moisture (IP67).

The ThermaData Hub software allows the user to programme the logging sample/interval rate (1 second to 255 minutes), the real-time clock, °C/°F, delayed start (maximum 23 hours, 59 minutes), software start, temperature start or time start and a 31-character user ID. The user can also set high and low alarm values for a specific application.

The Stainless Steel Pro is available in six options; without a probe, with a Ø3.3 x 50 mm penetration probe, a Ø4.5 x 100 mm, Ø4.5 x 150 mm, Ø4.5 x 200 mm penetration probe all with a Ø3.3 reduced tip. In addition to the five standard options there is also a Ø1.8 x 20 mm fast response probe variant which is ideal for applications that require a fast ambient reading i.e. Dishwashers. Each logger is supplied with a one metre USB-C® lead.



## ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
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- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.

Example of PDF file



- **USB connection point**  
Simply unscrew the end cap to access the USB-C connector. Using the supplied USB-C® lead this allows the user to connect the logger to a PC and upload any data collected.

Order code	Description
294-900	Stainless steel logger - without probe
294-940	Stainless steel logger - 20 mm FR probe
294-930	Stainless steel logger - 50 mm probe
294-931	Stainless steel logger - 100 mm probe
294-932	Stainless steel logger - 150 mm probe
294-933	Stainless steel logger - 200 mm probe

Supplied with a one metre USB-C® lead

Specification	ThermaData Stainless Steel Pro
Range	-20 to 125 °C
Resolution	0.1 °C
Accuracy	±0.5 °C
Memory	16,000 temperature readings
Sample rate	1 second to 255 minutes
Battery	3.6 volt 2/3 AA lithium
Battery life	3 years (based on 6 sec sample rate)
Dimensions	Ø22.5 x 129 mm (excluding probe)
Weight	170 grams - model dependant

Optional UKAS Certificate of Calibration available



REMOTE MONITORING

# THERMADATA® THERMISTOR LOGGERS

- Capture multiple logging processes in a single download
- Built-in magnets
- Large memory of up to 120,000 readings
- Waterproof to IP67

The ThermaData Thermistor Logger is part of a comprehensive range of portable data loggers utilising the latest in electronic technology and housed in a waterproof ergonomic case designed to meet IP67 protection.

The unit is available in two models, and offers the choice between internal or external temperature sensors/probes. The fixed temperature probes are supplied with a one metre PVC/PFA lead.

Each logger incorporates a red and green LED. The flashing green LED indicates that the logger is active/logging, and the flashing red LED indicates that your customised preset alarms have been exceeded.

The ThermaData Thermistor Logger measures temperature over the range of -40 to 125 °C (model dependent) with a 0.1 °C resolution. At programmable intervals the logger will record the temperature, up to a maximum of 120,000 readings. A multi-logging feature also allows this instrument to be started and stopped, in order to map multiple processes, without having to download the data each time.

Featuring an easy-to-read LCD, the unit displays temperature, high and low limits and max/min recorded temperatures.

#### USB-C® lead

Allow easy connection to any PC with a standard USB port socket. Simply connect lead to the data logger, install software on your PC and go. (Included with the product).

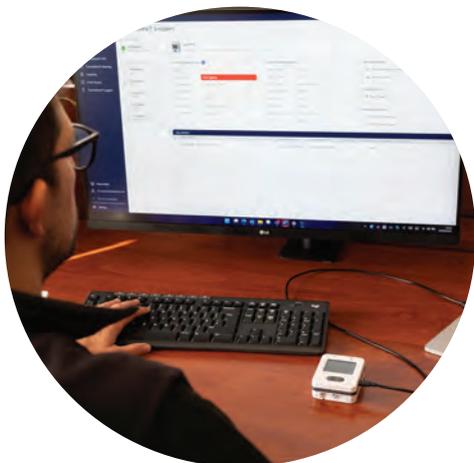


#### ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.

REMOTE MONITORING



Specification	TD/TD1F
Range - internal	-20 to 85 °C
Range - external	-40 to 125 °C (TD1F only)
Operating range	-20 to 85 °C
Resolution	0.1 °C
Accuracy	±0.5 °C (instrument only) ±0.1 °C (system)
Memory	120,000
Sample rate	1 second to 240 minutes
Battery	1 x 2/3 AA Li-CoCl2
Battery life	1 year (default settings)
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	67 x 84 x 30.5 mm
Weight	132.9 grams (TD) / 147.8 grams (TD1F)
<b>FREE traceable certificate of calibration included</b>	

Order code	Description
291-001	Model TD Thermistor
291-011	Model TD1F Thermistor

# THERMADATA® THERMOCOUPLE LOGGER

- Waterproof housing offering IP67 protection
- Temperature range -100 to 1372 °C
- Two channel type K thermocouple input
- Capture multiple logging processes in a single download

The ThermaData Thermocouple Logger is part of a comprehensive range of portable data loggers utilising the latest in electronic technology and housed in a waterproof, ergonomic case designed to meet IP67 protection, with built-in magnets.

This unit features dual type K thermocouple inputs and measures temperatures ranging from -100 to 1372 °C. It provides a resolution of 0.1 °C, automatically switching to 1 °C for readings between 300 and 1372 °C. At programmable intervals, it can record and store up to 120,000 (2 x 60,000) temperature readings.

Each logger incorporates a red and green LED. The flashing green LED indicates that the logger is active/logging, and the flashing red LED indicates that your customised preset alarms have been exceeded. A multi-logging feature also allows this instrument to be started and stopped, in order to map multiple processes, without having to download the data each time.

Featuring an easy-to-read LCD, the unit displays temperature, high and low limits, max/min recorded temperatures and comes with FREE downloadable software and traceable certificate of calibration.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see pages 81 to 87.

## Food simulant probe (133-350)

For accurate cold food monitoring. The lead is available in three lengths.



**USB-C® lead**  
Included with the product.

Order code	Description
291-121	Model TD2TC (Type K)
133-350	Food simulant temperature probe (1 m)
133-352	Food simulant temperature probe (3 m)
133-354	Food simulant temperature probe (5 m)

**ThermaData Thermocouple loggers are exclusive of probes**



## ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.



Specification	TD2TC
Range	-100 to 1372 °C
Operating range	-20 to 85 °C
Resolution	0.1 °C (up to 300 °C) thereafter 1 °C
Accuracy	±0.4 °C or ±0.1 % of reading
Memory	120,000
Sample rate	1 second to 240 minutes
Battery	1 x 2/3 AA Li-CoCl2
Battery life	1 year (1 minute sample rate)
Sensor type	Thermocouple
Display	Dual 12 mm LCD
Dimensions	67 x 84 x 30.5 mm
Weight	269.7 grams

**FREE traceable certificate of calibration included**

# THERMADATA® HUMIDITY LOGGER

- Capture multiple logging processes in a single download
- Built-in magnets
- Large memory of up to 120,000 readings
- Accuracy  $\pm 0.5^{\circ}\text{C}$   $\pm 2\%\text{rh}$

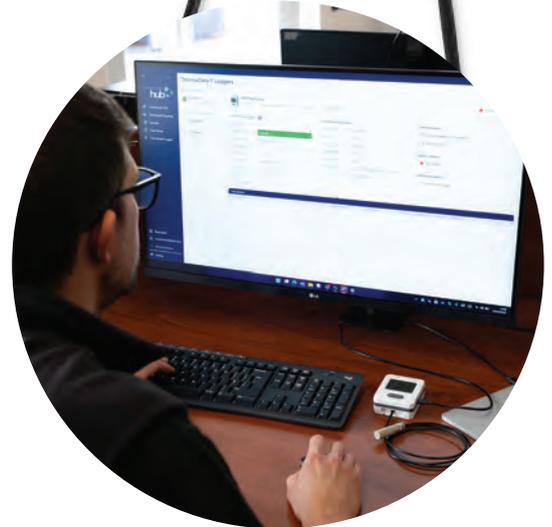
The ThermaData Humidity Logger is part of a comprehensive range of portable data loggers utilising the latest in electronic technology. Housed in an ergonomic case with built-in magnets, this unit includes a sintered temperature and humidity probe, with a one metre PVC/PFA lead.

Each logger incorporates a red and green LED. The flashing green LED indicates that the logger is active/logging, and the flashing red LED indicates that your customised preset alarms have been exceeded.

The ThermaData Thermistor Logger measures temperature over the range of  $-20$  to  $85^{\circ}\text{C}$  and  $0$  to  $100\% \text{rh}$  with a  $0.1^{\circ}\text{C}$  resolution.

At programmable intervals the logger will record the temperature, up to a maximum of 120,000 readings (2 x 60,000). A multi-logging feature also allows this instrument to be started and stopped, in order to map multiple processes, without having to download the data each time.

Featuring an easy-to-read LCD, the unit displays temperature/humidity, high and low limits and max/min recorded temperatures.



REMOTE MONITORING

## ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Actionable insights
- ✓ Customisable reports

### USB-C® lead

Allow easy connection to any PC with a standard USB port socket. Simply connect lead to the data logger, install software on your PC and go. (Included with the product).



For more information, see pages 66 and 67.



Order code	Description
291-621	Model HDTF (humidity)

Specification	HDTF (Temp/Humidity)
Range	$-20$ to $70^{\circ}\text{C}$ / $0$ - $100\% \text{rh}$
Operating range	$-20$ to $85^{\circ}\text{C}$
Resolution	$0.1^{\circ}\text{C}$
Accuracy	$\pm 0.5^{\circ}\text{C}$ (temperature) $\pm 2\%\text{rh}$ ( $20$ to $80\%\text{rh}$ ) otherwise $3\%$
Memory	120,000
Sample rate	1 second to 240 minutes
Battery	1 x 2/3 AA Li-CoCl <sub>2</sub>
Battery life	1 year (default settings)
Sensor type	Thermistor / Capacitive Polymer
Display	Dual 12 mm LCD
Dimensions	67 x 84 x 30.5 mm
Weight	175.1 grams

Optional UKAS certificate of calibration available

# THERMADATA® 4 CHANNEL LOGGER

- Four channel type K thermocouple input
- Programmable high/low audible alarm
- Simultaneously measure four probe temperatures
- Wide temperature range -99.9 to 1372 °C

The ThermaData 4 Channel Logger is housed in an ergonomic, ABS case that includes Biomaster product protection to reduce bacterial growth. The unit is waterproof to IP67 thanks to an integrated rubber seal, making it more durable in harsh environments and less prone to damage.

The 4 Channel Logger measures temperature over the range of -99.9 to 1372 °C with a 0.1°C resolution, auto-ranging to 1°C over the range of 300 to 1372 °C. At programmable intervals the logger will record the temperature, up to a maximum of 64,000 readings (16,000 per channel).

A multi logging feature also allows this instrument to be started and stopped in order to map multiple processes, without downloading the data each time.

Featuring an easy-to-read LCD, the 4 Channel Logger displays temperature, high and low limits, max/min recorded temperatures and volume level. The LCD can either be toggled from T1 & T2 to T3 & T4, or locked, using the DISPLAY / LOCK button.

Programmable audible alarms allows the user to preset high and low temperature limits for any logging process. The alarm can be silenced by pressing MUTE on the front of the instrument.

Each instrument is supplied with a USB-C® lead, FREE downloadable software and traceable certificate of calibration.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see pages 81 to 87.



General purpose probe (133-158)

## ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Real-time alerts & notifications
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.



Order code	Description
291-401	ThermaData 4 Channel Logger
133-158	General purpose probe
830-258	Protective silicone cover - black

The ThermaData 4 Channel Logger is exclusive of probes



Specification	ThermaData 4 Channel Logger
Range	-99.9 to 1372 °C
Operating range	-20 to 50°C
Resolution	0.1 °C to 299.9 °C thereafter 1 °C
Accuracy	±0.4 °C ±0.1 % of reading
Memory	64,000 (4 x 16,000)
Sample rate	1 second to 255 minutes
Battery	3 x 1.5 volt AAA
Battery life	1 year (1 minute sample rate)
Sensor type	Type K thermocouple
Display	Custom LCD
Dimensions	32 x 71 x 142 mm
Weight	230 grams

FREE traceable certificate of calibration included

REMOTE MONITORING

# THERMADATA® WIFI LOGGERS FOR TEMPERATURE

- Receive notifications when alarm limits are exceeded
- Access recorded data worldwide via TD Link app
- FREE software with NO ongoing or subscription charges
- Programmable high/low alarms

The new ThermaData WiFi Loggers now feature improved connectivity and convenience. With enhanced WiFi reliability, they stay connected at all times, ensuring uninterrupted data logging. An enhanced Bluetooth pairing setup also simplifies the initial setup, making it quicker and more user-friendly. These battery-powered loggers offer a cost-effective temperature monitoring system that remotely records the temperature of appliances and buildings. Each logger transmits the recorded data to a Wi-Fi router connected to the internet. This data can then be accessed and viewed from anywhere in the world using a PC, laptop, or tablet.



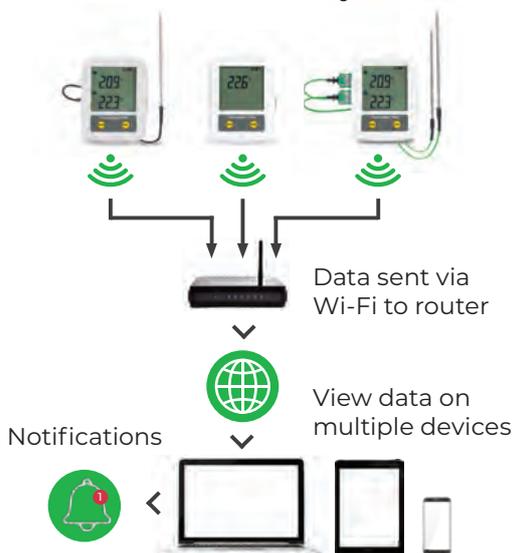
The loggers have a range limited to the specification of the users Wi-Fi router. Each logger has an intuitive LCD displaying; temperature, Wi-Fi and internet connection status, max/min recorded temperatures, alarm status and battery life.

At programmable intervals, the loggers will record temperature from both sensors, recording up to a maximum of 36,000 readings (18,000 from each sensor). The temperature value on the LCD display on each logger will flash to indicate that the customised preset alarms have been exceeded. Each logger communicates directly to the Wi-Fi router at set intervals to push data through the internet into ThermaData Hub. The information is available to be analysed and exported into a report format. Each unit is supplied with a USB lead and FREE wall bracket. ThermaData Hub software is available to download FREE from our website and is licence free, with no ongoing or subscription charges.

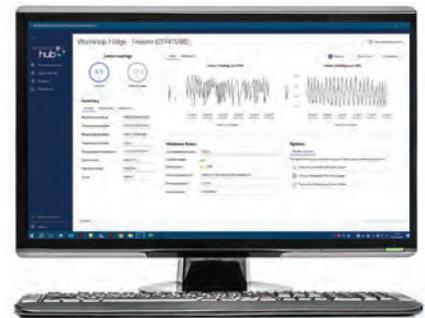
## HOW DOES THE THERMADATA WIFI LOGGER WORK?

Using the unique ID of each logger, ThermaData Hub creates a secure connection between logger and software, which can be accessed and viewed anytime and anywhere with an internet connection. Each logger communicates directly to the Wi-Fi router at set intervals to push data through the internet into ThermaData Hub.

Simple setup & easy-to-use software makes the ThermaData WiFi loggers perfect for HACCP analysis



Please note: Wi-Fi routers have a range of 100 metres depending on the make, model, capabilities and setup of the router. Environmental conditions may also affect the signal strength.



ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Real-time alerts & notifications
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.

## THERMADATA® WIFI ONE/TWO CHANNEL THERMISTOR LOGGERS

The ThermaData WiFi thermistor loggers can be supplied with one internal sensor or a stainless steel general purpose probe (Ø3.3 x 100 mm) with a one metre PUR/PVC fixed lead. **Please Note:** Model TD1F is supplied with one external remote probe and an internal sensor.

Specification	TD	TD1F
Range - internal	0 to 50 °C	0 to 50 °C
Range - external	N/A	-40 to 125 °C
Resolution	0.1 °C/°F	
Accuracy	±0.5 °C	
Memory	36,000 readings	2 x 18,000 readings
Sample rate	6 seconds to 330 minutes	
Battery & life	2 x 1.5 volt AA - approximately 1 year	
Display	13.4 mm LCD	
Dimensions	29 x 72.5 x 96 mm	
Weight	165 grams model dependant	
<b>FREE traceable certificate of calibration included</b>		



Order code	Description
297-001	Model TD
297-011	Model TD1F*
<b>832-590 ABS wall bracket also included (see page 45)</b>	
<b>*Inclusive of thermistor probe(s)</b>	

ThermaData® Hub software  
For more information, see pages 66 and 67.

## THERMADATA® WIFI TWO CHANNEL THERMOCOUPLE LOGGERS

The ThermaData WiFi thermocouple loggers are available in two sensor types, type K and type T thermocouple. **Please Note:** Each logger is supplied exclusive of probes, see below for a small selection of probes available or for alternative designs see page 87.

Specification	ThermaData WiFi - Thermocouple
Range - type K	-99.9 to 1372 °C
Range - type T	-99.9 to 400 °C
Resolution	0.1 °C/°F to 999.9 thereafter 1 °C/°F
Accuracy	±0.4 °C ±0.1 % of reading
Memory	2 x 18,000 readings
Sample rate	6 seconds to 330 minutes
Battery & life	2 x 1.5 volt AA - approximately 1 year
Display	13.4 mm LCD
Dimensions	29 x 72.5 x 96 mm
Weight	165 grams
<b>FREE traceable certificate of calibration included</b>	



General purpose probes (133-158)



Order code	Description
297-121	Model TD2TC - type K
297-721	Model TD2TC - type T
830-800	Magnetic mount
830-880	Protective cover - black
<b>Exclusive of thermocouple probes</b>	

REMOTE MONITORING

		Order code
<b>GENERAL PURPOSE PROBE</b>    Ø3.3 x 100 mm	This stainless steel probe is suitable for a wide range of applications. Supplied with a one metre PFA insulated lead and connector. <ul style="list-style-type: none"> <li>● Response time less than 5 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	133-158 (1000 mm) 133-220 (3000 mm) 133-222 (5000 mm)
<b>FOOD SIMULANT PROBE</b>    9 x 100 x 100 mm	This polypropylene simulant probe is designed for use in refrigeration, food storage and chill cabinets. Supplied with a one metre PFA insulated lead and connector. <ul style="list-style-type: none"> <li>● Probe temperature range -20 to 100 °C</li> </ul>	133-350 (1000 mm) 133-352 (3000 mm) 133-354 (5000 mm)
<b>HEAVY-DUTY PFA WIRE PROBE</b>    Ø2.4 x 1000 or 2000 mm	This heavy-duty, PFA insulated wire probe is ideal for measuring the air temperature in fridges, freezers, ovens etc. <ul style="list-style-type: none"> <li>● Response time less than 1 second</li> <li>● Probe temperature range 75 to 250 °C</li> </ul>	133-372 (1000 mm) 133-373 (2000 mm)

Please note: for type T thermocouple probes, replace the third digit (3) of the order code with the number 7

# THERMADATA® PHARM WIFI LOGGERS

- External sensor designed to simulate fridge contents temperature
- FREE software with NO ongoing or subscription charges
- Access recorded data worldwide via TD Link app
- Programmable high/low alarms



**NEW MODEL**

The new ThermaData Pharm WiFi Loggers now feature improved connectivity and convenience. With enhanced WiFi reliability, they stay connected at all times, ensuring uninterrupted data logging. An enhanced *Bluetooth*® pairing setup also simplifies the initial setup, making it quicker and more user-friendly.

The loggers are a battery powered, cost-effective, temperature monitoring system that remotely records storage and transportation temperatures of perishable items such as food, vaccines and medication.

Each logger has an intuitive LCD displaying; temperature, Wi-Fi connection status, max/min recorded temperatures, alarm status and battery life. Simple to set up, the logger once up and running will transmit recorded data to a Wi-Fi router connected to the internet which can then be accessed and viewed from a PC, laptop or tablet anywhere in the world.



At programmable intervals, the loggers will record temperature from both sensors, recording up to a maximum of 36,000 readings (18,000 from each sensor). The temperature value on the LCD display on each logger will flash to indicate that the customised preset alarms have been exceeded. Each logger communicates directly to the Wi-Fi router at set intervals to push data through the internet into ThermaData Hub. The information is available to be analysed and exported into a report format. Each unit is supplied with a USB lead and free wall bracket. ThermaData Hub software is available to download FREE from our website with no ongoing or subscription charges.

The thermistor probe is encased in a sealed bottle and incorporates a two metre PUR/PVC fixed lead. To begin monitoring, simply unscrew and top up with Glycol solution (50 ml bottle supplied). **Please Note:** Model TD1F Pharm is supplied with one external remote probe and an internal sensor. For more information contact our sales office.

REMOTE MONITORING

Simple setup & easy-to-use software makes the ThermaData Pharm WiFi loggers perfect for fridge/freezer monitoring



Data sent via Wi-Fi to router

View data on multiple devices

Notifications



ThermaData® Hub software  
For more information, see pages 66 and 67.



Magnetic mount (830-800)

Order code	Description
297-011-PHM	Model TD1F c/w Pharm probe
830-880	Protective silicone cover - black
832-590	Replacement ABS wall bracket
830-800	Magnetic mount
816-035	Replacement Glycol solution - 50 ml

**Inclusive of thermistor probe & USB lead**

Specification	Model TD1F
Range - internal	0 to 50 °C
Range - external	-40 to 70 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C
Memory	2 x 18,000 readings
Sample rate	6 seconds to 330 minutes
Battery & life	2 x 1.5 volt AA - approx. 1 year
Display	13.4 mm LCD
Dimensions	29 x 72.5 x 96 mm
Weight	165 grams

**FREE traceable certificate of calibration included**

Please note: Wi-Fi routers have a range of 100 metres depending on the make, model, capabilities and setup of the router. Environmental conditions may also affect the signal strength.

# THERMADATA® WIFI LOGGERS FOR HUMIDITY

- FREE software with NO ongoing or subscription charges
- Simultaneously displays humidity & temperature
- Access recorded data worldwide via TD Link app
- Programmable high/low alarms

The new ThermaData WiFi Humidity Loggers now feature improved connectivity and convenience. With enhanced WiFi reliability, they stay connected at all times, ensuring uninterrupted data logging. An enhanced Bluetooth pairing setup also simplifies the initial setup, making it quicker and more user-friendly.

These loggers measure and record both temperature and relative humidity (%rh) over the range of 0 to 50 °C (HTD), -20 to 85 °C (HDIF) and 0 to 100 %rh. At programmable intervals, the loggers will record simultaneously both temperature and humidity, recording up to a maximum of 36,000 readings (18,000 humidity and 18,000 temperature).

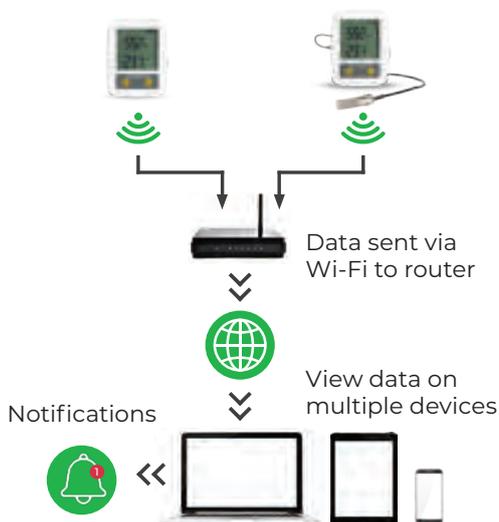
The loggers incorporate a large LCD that displays temperature and humidity from the internal sensors. The temperature value on the LCD display on each logger will flash to indicate that the customised preset alarms have been exceeded.

## ThermaData® Hub: Simple, smart, subscription-free HACCP software

- ✓ All-in-one dashboard
- ✓ No subscription fees
- ✓ Complete HACCP compliance, digitally
- ✓ Real-time alerts & notifications
- ✓ Actionable insights
- ✓ Customisable reports

For more information, see pages 66 and 67.

### HOW DOES THE THERMADATA WIFI HTD LOGGER WORK?



The humidity and temperature ThermaData WiFi loggers are suitable for a diverse range of applications which include HVAC climate monitoring, QA monitoring of storage areas etc.



Order code	Description
297-621	ThermaData WiFi HTD
297-622	ThermaData WiFi HDIF
830-880	Protective silicone cover - black
830-800	Magnetic mount
890-111	UKAS 3-point certificate available

**\*when purchased with a new Logger**

Specification	Temperature	Humidity
Range - HTD	0 to 50 °C	0 to 100 %rh
Range - HDIF	-20 to 85 °C	0 to 100 %rh
Resolution	0.1 °C/°F	0.1 %rh
Accuracy	±0.5 °C (0 to 50 °C)	±3 %rh @ 25 °C (10 to 90 %rh) ±4 %rh @ 25 °C (0 to 100 %rh)
Hysteresis	N/A	±1 %rh
Sensor type	Silicon bandgap	Capacitance polymer
Memory	2 x 18,000 readings	
Sample rate	6 seconds to 330 minutes	
Battery & life	2 x 1.5 volt AA - approx. 10 months @ 20 °C	
Display	13.4 mm LCD	
Dimensions	29 x 72.5 x 96 mm	
Weight	165 grams	

**Optional UKAS Certificate of Calibration available**

REMOTE MONITORING



# BLUETOOTH® THERMOMETERS

Digitalising your temperature monitoring provides the most accurate and organised data archive you could have, all whilst saving huge amounts of time and money.

Instead of manually writing temperatures in paper log books, accurate readings will be measured at the touch of a button. Rather than combing through physical archives to check historical data, you can instantly pull up recordings from any date. And with free user-friendly software or the option to integrate into an existing system, employee training couldn't be easier.

Our range of *Bluetooth*® thermometers includes temperature probes and infrared thermometers, with plenty of options available for you to find the right fit for your application.

## BLUETOOTH BENEFITS

There are many benefits to switching to Bluetooth thermometers, including:

- Improved data accuracy and integrity
- Save time recording checks
- Organised and accessible data archive
- Time and date stamped on every reading

## HOW BLUETOOTH THERMOMETERS WORK

Bluetooth thermometers pair with an app on your phone or tablet to store your temperature recordings. As you take temperatures with your thermometer, it will either manually or automatically transfer the readings to your device via Bluetooth, where you can view and analyse your data.

Some Bluetooth thermometers are designed to be set in place and will automatically record temperatures at your chosen intervals, sending each reading to your device as it records.

## FREE SOFTWARE

Many of our Bluetooth thermometers are compatible with our free ThermaData® Hub mobile app. This allows users to complete checklists of items, with high/low limits, and prompt corrective actions for any out of range readings. Users can also view results, before generating custom .PDF reports via the ThermaData Hub PC Software. For more information see pages 66 & 67.



We also offer free software development kits with all of our Bluetooth products, and free end-to-end support. This enables users to integrate ETI thermometers into existing software systems.



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# THERMAPEN® ONE BLUE THERMOMETER

- New intuitive display
- Waterproof to IP67
- Securely transmits data to your smart device
- SDK & technical integration support available

The Thermapen ONE Blue combines the latest *Bluetooth*® wireless technology with the same high accuracy and precision as the Thermapen One. Simply connect to your host device (iOS or Android), probe the item to be measured and press the button to securely transmit your temperature data of up to 50 metres via a secure connection.\*

The casing is washable and includes Biomaster product protection that reduces bacterial growth. The Thermapen One Blue is waterproof to IP67.

The unit includes a Dot Matrix Display which when paired with a remote device, will show items on the screen alongside the temperature value. Each item can include a text line, high/low temperature limit that gives the user instant, on-screen pass/fail feedback.

**Please Note:** New display features only available when using the latest Software Development Kit.

The Thermapen One Blue incorporates a reduced tip, stainless steel penetration probe (Ø3.3 x 110 mm) that conveniently folds back through 180° into the side of the instrument when not in use.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the Thermapen One Blue.



Order code	Description
279-607	Thermapen One Blue - grey
279-647	Thermapen One Blue - red
279-657	Thermapen One Blue - blue
830-701	Silicone cover with magnet - Clear
830-704	Silicone cover with magnet - Red
832-002	Stainless steel wall bracket



Now available in three button colours  
Choose between grey, red or blue

## Dot Matrix Display

New intuitive display showing item names, high and low limits and a visual PASS or FAIL indication.



- **Protective silicone cover**  
Protect your instrument against accidental damage by fitting a protective silicone cover. (830-704)



Specification	Thermapen One Blue
Range	-49.9 to 299.9 °C
Resolution	0.1 °C
Accuracy	±0.3 °C (-19.9 to 119.9 °C) ±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Bluetooth module	BLE 5.0
Battery	1 x 1.5 volt AAA
Battery life	500 hours (without backlight)
Sensor type	K thermocouple
Dimensions	19 x 50 x 157 mm
Weight	115 grams

**FREE traceable certificate of calibration included**

\*Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# THERMAPEN® IR BLUE THERMOMETER

- High accuracy - ideal for HACCP procedures
- Patented, automatic 360° rotational display
- Securely transmits data to your smart device
- SDK & technical integration support available

The Thermapen IR Blue is two instruments in one compact unit. It combines the advanced technology of two ETI *Bluetooth*® products: the RayTemp Blue infrared thermometer and Thermapen ONE Blue thermometer.

Housed in a robust PC/ABS case containing Biomaster product protection that reduces bacterial growth. Simply connect to your host device (iOS or Android), probe or scan the item to be measured and press the button to securely transmit your temperature data via a secure connection of up to 50 metres.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the Thermapen IR Blue.



## ● Infrared thermometer

Simply aim the infrared thermometer at the target and press the scan button to display the surface temperature.

**Please Note:** the infrared non-contact function will only measure when the probe is in the closed position.

The Thermapen IR Blue thermometer incorporates a max/min temperature function accessed via the mode button (IR only). The distance to target ratio is 5:1, therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be adjusted via the host device.

## ● Penetration probe

Opening the probe puts the instrument into probe mode, enabling you to take the core temperature of liquid and semi-solid foods using the fast response, stainless steel penetration probe (Ø3.3 x 110 mm). It will display the temperature in just 3 seconds. The probe conveniently folds back through 180° into the side of the instrument when not in use.

BLUETOOTH®

## Patented auto-rotating display



Specification	Thermapen IR Blue
Range - infrared	-49.9 to 349.9 °C
Range - probe	-49.9 to 299.9 °C
Resolution	0.1 °C
Accuracy - infrared	±1 °C (0 to 100 °C) otherwise ±2 °C or ±2 % of reading whichever is greater
Accuracy - probe	±0.4 °C (-49.9 to 199.9 °C)
Bluetooth module	BLE 5.0
Field of view	Target ratio 5:1
Emissivity	0.95 default - adjustable via remote device
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1,000 hours - continuous use
Display	12 mm (horizontal) & 10 mm (vertical) LCD
Dimensions	19 x 50 x 157 mm
Weight	125 grams

Order code	Description
228-965	Thermapen IR Blue
830-480	Protective silicone cover
832-002	Stainless steel wall bracket
830-485	Silicone cover - glow in dark

**FREE traceable certificate of calibration included (probe & IR)**

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# TEMPTEST® BLUE THERMOMETER

- Waterproof IP67, compact design
- Automatic 360° rotational display
- SDK & technical integration support available
- Securely transmits data to your smart device



The TempTest Blue combines *Bluetooth*® wireless technology with high accuracy, precision and fast response. Simply pair it with your device (iOS or Android), probe the item to be measured and press the button to transmit your temperature data. The TempTest Blue thermometer features a secure Bluetooth range of up to 50 metres.

The thermometer is housed in a waterproof IP67 case with an ergonomic rubber seal and includes Biomaster product protection to reduce bacterial growth. The unit incorporates a stainless steel food penetration probe (Ø3.3 x 80 mm) with fast response tip. The true temperature of a product can be measured in just three seconds.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the TempTest Blue.



- **Protective silicone cover**  
Protect your instrument against accidental damage by fitting a protective silicone cover.



Example of ThermaData® Hub app

Holster belt clip and wall bracket



Specification	TempTest Blue
Range	-49.9 to 299.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Bluetooth module	BLE 5.0
Battery	2 x 1.5 volt AAA
Battery life	1,000 hours - continuous use
Sensor type	K thermocouple
Display	11 mm LCD
Dimensions	17 x 47 x 200 mm (inc. probe)
Weight	105 grams
<b>FREE traceable certificate of calibration included</b>	

Order code	Description
292-910	TempTest Blue
830-431	Protective silicone cover - white*
830-550	TempTest holster belt clip & wall bracket

\*Various colours are available. See page 9 for details.

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# TEMPTEST® PLUS BLUE THERMOMETER

- New intuitive 360° rotating extended display
- Waterproof to IP67
- Securely transmits data to your smart device
- SDK & technical integration support available

Introducing the new TempTest® Plus Blue thermometer, the latest UK manufactured Bluetooth® thermometer. Combining the proven performance and features found in the Thermapen ONE Blue, TempTest Blue, and Therma K Blue instruments, it uses the latest Bluetooth® wireless technology.

Simply pair it with your device (iOS or Android), probe the item to be measured, and press the button to transmit your temperature data.

The TempTest Plus Blue thermometer features a secure Bluetooth range of up to 50 metres. The thermometer is housed in a waterproof IP67 case with an ergonomic rubber seal and includes Biomaster product protection to reduce bacterial growth. The unit includes a 360° rotating dot-matrix display, which, when paired with a remote device, will show items on the screen alongside the temperature value. Each item can include two lines of text and high/low temperature limits that give the user instant, on-screen pass/fail feedback.

We offer a wide range of interchangeable type K thermocouple probes for a variety of different applications, see pages 81 to 87 for details.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the TempTest Plus Blue thermometer.



Fast response probe 80 mm (133-154)



Example of ThermaData® Hub app



BLUETOOTH®

## Dot Matrix Display

New intuitive 360° rotating display showing item names, high and low limits and a visual PASS or FAIL indication. Each item can include two lines of text



Specification	TempTest Plus Blue
Range	-99.9 to 1372 °C
Resolution	0.1 °C to 999.9 °C thereafter 1 °C
Accuracy	±0.4 °C ±0.1%
Bluetooth module	BLE 5.0
Battery	2 x 1.5 volt AAA
Battery life	1,000 hours - continuous use
Sensor type	K thermocouple
Dimensions	22.2 x 58.0 x 138.5 (inc. probe)
Weight	141 grams

**FREE traceable certificate of calibration included**

Order code	Description
223-241	TempTest Plus Blue
133-153	Fast response penetration probe (120 mm)
133-154	Fast response penetration probe (80 mm)

**The TempTest Plus Blue is exclusive of probe**

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# THERMA SERIES BLUE THERMOMETERS

- Securely transmits data to your device
- Optional thermistor test caps for accuracy checks
- Interchangeable thermocouple probes
- SDK & technical integration support available

Designed and manufactured in the UK, the Therma Series Blue thermometers feature the proven performance and benefits of the Therma 1, Therma 1T, Therma 20, and Therma 22, but with the added benefit of *Bluetooth*® wireless technology for secure data transfer up to 50 metres.

To use, simply connect the thermometer to the host device (iOS or Android), probe the item to be measured, and press the button to securely transmit your temperature data via a Bluetooth connection.

All units are housed in a durable ABS case with Biomaster product protection to reduce bacterial growth. Each thermometer includes a large, easy-to-read LCD display with low battery and Bluetooth connection indicators, powered by three AAA batteries for up to 3,000 hours of use. To save power, the instruments will auto power-off after 10 minutes of inactivity, this feature can be disabled if needed through the software.

The Therma K Blue, Therma 20 Blue, and Therma 22 Blue are designed for one-handed use, keeping terminated probes secure and protected, ready for long lasting use. Self-calibration test caps can also be connected to perform accuracy checks (available for select models). The Therma 22 Blue is designed for users who require the flexibility of both thermocouple and thermistor probes in one compact unit. The thermistor sensor offers high accuracy for food processing applications, while the Type T thermocouple extends the measurement range and provides faster response times.

A Software Development Kit (SDK) is available upon request, allowing integrators to develop custom applications to communicate directly with the Therma K, T, 20, and 22 Blue thermometers.

Order code	Description
292-042	Therma K Blue - shrouded end cap
292-107	Therma T Blue
292-040	Therma 20 Blue
292-022	Therma 22 Blue
133-154	Type K penetration probe (80 mm)
174-166	Thermistor penetration probe**
127-159	Type T fast response probe**
832-050	S/steel wall bracket & cover
830-221	Protective silicone cover - white*

All Therma Series Blue are exclusive of probe(s)  
 \*Various colours are available, See page 14 for details  
 \*\*For alternative probes see pages 81 to 91



- Protective silicone cover  
Protect your instrument from accidental damage. Various colours are available - see page 14.



- Thermistor test caps  
For checking the accuracy of your thermometer. See page 109.



Specification	Therma Series Blue	
Range	Therma K	-199.9 to 1372 °C (Type K)
	Therma 20 & 22	-39.9 to 149.9 °C (Thermistor)
	Therma T & 22	-199.9 to 400 °C (Type T)
Resolution	Therma 20 & T	0.1 °C
	Therma 22	0.1 °C to 300 °C thereafter 1 °C
	Therma K	0.1 °C to 999.9 °C thereafter 1 °C
Accuracy	Therma K & T	±0.4 °C ±0.1% / ±0.2 °C ±0.1%
	Therma 20 & 22	±0.2 °C (instrument only)
System accuracy	Therma 20	±0.5 °C (-24.9 to 109.9 °C)
	Therma 22	±0.5 °C (-49.9 to 149.9 °C)
Bluetooth module	BLE 5.0	
Battery & life	3 x 1.5 volt AAA - 3,000 hours	
Display	12 mm LCD	
Dimensions	Therma 20, 22 & T	25 x 56 x 128 mm
	Therma K	25 x 56 x 138 mm
Weight	Therma 20 & 22	130 grams
	Therma K & T	140 grams
FREE traceable certificate of calibration included		

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# RAYTEMP® BLUE THERMOMETER



- Securely transmits data to your device
- Target distance/diameter ratio 5:1
- Time saving, paperless recordings
- FREE traceable certificate of calibration

Designed and manufactured in the UK, The RayTemp Blue infrared non-contact thermometer incorporates many of the features of the RayTemp 2, but with Bluetooth® BLE 5.0 technology.

Simply connect to your host device (iOS or Android), press and hold the measure button and aim the thermometer at the target to display the surface temperature and securely transmit the data via a secure connection of up to 50 metres.

The unit incorporates a 5:1 optic ratio (target distance/diameter ratio) and therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be changed from 0.1 to 1, if required. The unit does not incorporate laser alignment, which will encourage users to get closer to the object being measured thus reducing inaccurate readings.

The RayTemp Blue features a two button keypad, incorporating measure and on/off function, and an auto-power-off facility that automatically turns the instrument off after 10 minutes, maximising battery life. Each unit is housed in a robust ABS case that contains Biomaster product protection which reduces bacterial growth.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the RayTemp Blue.



### OPTIONAL ACCESSORIES:

- Protective silicone cover. Various colours are available - see page 14.
- Stainless steel wall bracket (832-050) & white silicone cover (screws not supplied)



Order code	Description
228-920	RayTemp Blue
832-050	Therma series s/s wall bracket & cover
830-221	Protective silicone cover - white*
814-132	Comparator

\*Various colours are available. See page 14 for details.

Specification	RayTemp Blue
Range	-49.9 to 349.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C (0 to 100 °C) otherwise ±2 °C or ±2 % of reading whichever is greater
Field of view	Target ratio 5:1
Bluetooth module	BLE 5.0
Emissivity	0.95 default - adjustable 0.1 to 1
Battery & life	3 x 1.5 volt AAA - 3,000 hours
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	140 grams

FREE traceable certificate of calibration included

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

# DISHTEMP® BLUE DISHWASHER THERMOMETER

- Simulates maximum plate surface temperatures
- Waterproof to IP66
- HACCP compatible
- FREE traceable certificate of calibration



The DishTemp Blue Dishwasher Thermometer transmits temperature data to your iOS, Android or Bluetooth® wireless device via a secure connection of up to 6 metres.

Specifically designed to save time, paper and eliminate human error when recording temperature cycles. The DishTemp Blue simulates a plate as it's cleaned and sanitised in a commercial dishwasher, accurately recording the maximum surface temperature at the touch of a single button, eliminating the need for costly and inaccurate test strips and stem thermometers that do not stay in place or record the surface temperature of a plate.

Built to survive daily use in professional kitchens, the DishTemp Blue dishwasher thermometer indicates temperature over the range of 0 to 90 °C with a resolution of 0.1 °C/°F and an accuracy of ±0.5 °C.

Incorporating a durable water-tight seal, the DishTemp Blue is supplied complete with a FREE 1-point traceable certificate of calibration

An SDK is available upon request.



Stainless steel wall bracket (832-280)

BLUETOOTH®



Specification	DishTemp Blue
Range	0 to 90 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C
Bluetooth module	BLE
Battery	3 volt CR2032 lithium coin cell
Battery life	40 hours
Display	Custom LCD
Dimensions	14 x Ø127 mm
Weight	120 grams

**FREE traceable certificate of calibration included**

Order code	Description
810-289	DishTemp Blue thermometer
832-280	Stainless steel wall bracket

**Please note:** Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.

# THERMADATA® HUB SOFTWARE

- Simple and user friendly
- Complete HACCP solution
- Automatic .pdf reports
- No subscription fees



Simplify and enhance your HACCP food safety procedures.

ThermaData® Hub is ETI's latest software solution, developed to simplify and streamline food safety monitoring and HACCP compliance. Drawing on years of experience in wireless temperature technology, it provides food professionals with a complete, intuitive platform that visualises all temperature data in one central location.

Featuring powerful analytics tools, customisable reports, and interactive data visualisations, ThermaData Hub helps you identify trends, gain actionable insights, and make informed, data-driven decisions to enhance your food safety processes.

By connecting ETI's range of *Bluetooth*® thermometers to the ThermaData Hub mobile app, you can capture HACCP results in real time, wherever you are. This portable solution ensures fast, accurate temperature recording and seamless data transfer directly into the Hub platform.

The software also supports ETI's data loggers, enabling 24/7 monitoring of fixed locations such as fridges and freezers. It automatically records and stores temperature data, providing continuous oversight and early warning of any deviations that could affect food safety. Through the TD Link app, you can view the status of all connected WiFi instruments remotely, see current readings, receive push notifications of alarms, and monitor equipment health via your mobile device.

By digitising your HACCP procedures, ThermaData Hub eliminates manual record-keeping, reduces paperwork, and minimises the risk of human error. Automated alerts and notifications allow users to respond proactively to temperature fluctuations, improving compliance, efficiency, and peace of mind.

Requires a stable internet connection to run and for WiFi logger data upload. Full administrative permissions required to install the software.

SOFTWARE



For compatible products see the ThermaData Hub icon on each page

## MINIMUM OPERATING REQUIREMENTS

Please visit our website or scan the QR code below for a full list of the latest operating requirements.



**Note:** Some IT policy's may implement restrictions that may block installation. Ensure that your system has full permissions to install and run ThermaData Hub software.

# THERMADATA® HUB SOFTWARE



## How does it work?

ThermaData® Hub offers full configuration flexibility to suit a wide range of monitoring applications. Set your preferred high and low alarm limits, logging intervals, and transmission rates to match your operational needs.

Also create fully custom digital checklists to standardise your processes, including temperature checks, corrective actions, batch numbers, pass/fail fields, dropdown options, use-by dates, yes/no questions, and more. Once your checklists are ready, they can be quickly published and assigned to selected users, ensuring consistent, accurate, and efficient data capture across your organisation.

Whether you're managing HACCP procedures, production checks, or quality control routines, ThermaData® Hub gives you the tools to simplify compliance and maintain complete visibility of your temperature monitoring data.

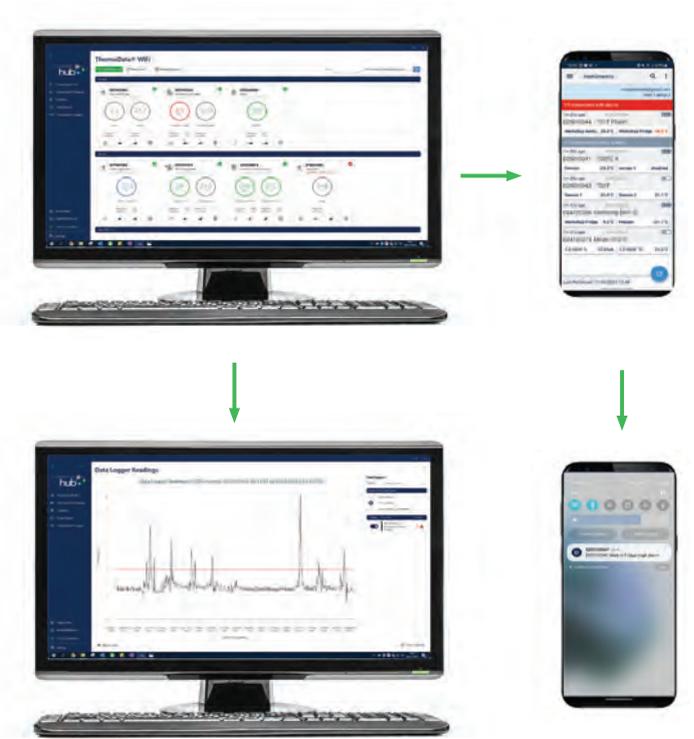
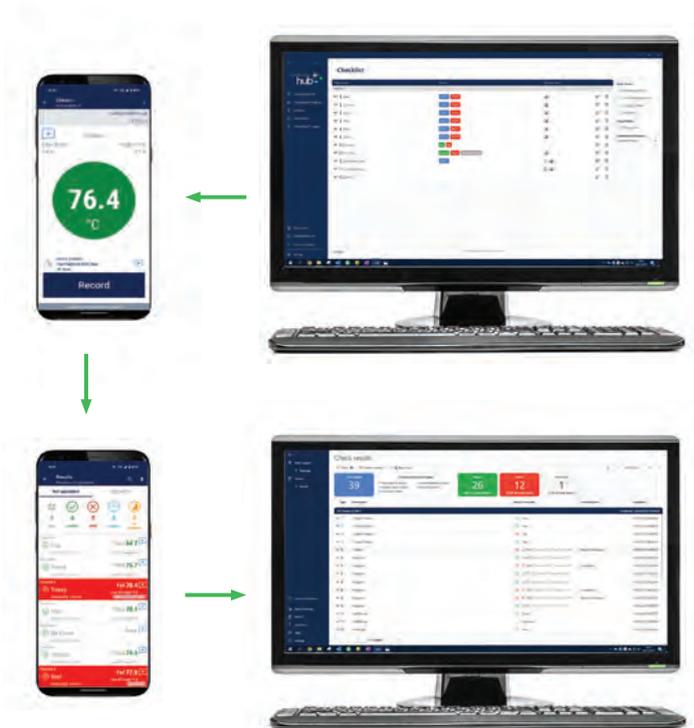
With the ThermaData Hub mobile app (available for Android), users can log in to view and complete the checklists assigned to them. Each check can be performed using a connected ETI Bluetooth® thermometer, ensuring fast and accurate readings.

Custom corrective actions guide users through the appropriate steps when anomalies are detected, while annotations can be added at any time for additional context or traceability. Once completed, results can be uploaded to the PC with a single tap.

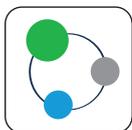
Users also receive push notifications via the TD Link Mobile App (available on Android & iOS) if any connected WiFi logger exceeds its set limits, allowing immediate response to potential issues.

On the PC, ThermaData Hub automatically captures and stores all monitoring data, providing powerful tools for further analysis. Custom filters can be applied to focus on specific equipment, users, or time periods, and any anomalies can be displayed through interactive graphs with annotations and comments added as needed.

All results, including mobile HACCP checks, can be reviewed using the same filters, exported to Excel or .CSV formats, or instantly converted into professional PDF reports for audit and compliance purposes.



TD Hub app



TD Link app

SOFTWARE