



## THERMOMETERS FOR CATERING & FOOD PROCESSING

THE UK'S LEADING SPECIALIST IN THE DESIGN & MANUFACTURE  
OF TEMPERATURE MEASURING EQUIPMENT FOR OVER 35 YEARS



# THERMAPEN® PROFESSIONAL THERMOMETER

- SuperFast – reaches temperature in just 3 seconds
- FREE traceable certificate of calibration
- Patented, automatic 360° rotational display
- Waterproof to IP66/67

The Thermapen is the UK's number one selling food thermometer measuring temperature over the range of -49.9 to 299.9°C. Used by hundreds of thousands of people worldwide, it offers a combination of speed, accuracy and convenience of use.

Using advanced technology the Thermapen Professional includes a number of innovative features. The patented 360° self-rotating display can be used in any position, in either hand. The unit incorporates an intelligent backlit display sensing light levels, automatically turning the backlight on/off in varying light conditions. The motion-sensing sleep mode with user changeable time delay, automatically turns the Thermapen Professional on/off when set down or picked up, maximising battery life.

The casing is washable and includes Biomaster Antimicrobial Technology that reduces bacterial growth and the ergonomic rubber seal minimises the risk of the ingress of water, dust or food. As well as being waterproof to IP66/67, it is still 'probably' the fastest reading contact thermometer on the market today. The true temperature of a product can be tested in just three seconds. The Thermapen Professional 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.

The Thermapen Professional is powered by a single AAA battery with a life expectancy of 3000 hours in normal use, without the backlight. Both low battery (icon) and open circuit indication are displayed, when applicable. Each Thermapen Professional is supplied with a FREE traceable certificate of calibration.



- Truly ambidextrous  
Automatic 360° rotational display  
UK Patent No. GB 2504936

- Intelligent  
backlit LCD



Order code	Description
234-407	Thermapen Professional - grey
234-417	Thermapen Professional - white
234-427	Thermapen Professional - yellow
234-437	Thermapen Professional - green
234-447	Thermapen Professional - red
234-457	Thermapen Professional - blue
234-477	Thermapen Professional - black
234-487	Thermapen Professional - orange
234-497	Thermapen Professional - pink
234-507	Thermapen Professional - purple
830-460	Protective silicone boot
830-465	Silicone boot - glow in dark
830-110	Protective wallet
830-001	Zip pouch
832-002	Stainless steel wall bracket



Specification	Thermapen Professional
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	1 x 1.5 volt AAA
Battery life	3000 hours (normal use, without backlight)
Sensor type	K thermocouple
Display	14.5 mm (horizontal) & 12 mm (vertical) LCD
Dimensions	19 x 50 x 157 mm
Weight	120 grams
FREE traceable certificate of calibration included	

# THERMAPEN® CLASSIC THERMOMETERS

- SuperFast – reaches temperature in just 3 seconds
- Over 50 % faster than traditional probes
- FREE traceable certificate of calibration
- Simple & lightweight 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 Antimicrobial Technology that reduces bacterial growth and the ergonomic rubber seal minimises the risk of the ingress of water, dust or food. As well as being splashproof, it is still 'probably' the fastest reading contact thermometer on the market today. 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 1500 hours.

## ● Pro-Surface Thermapen®

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.

The Pro-Surface Thermapen is calibrated "as a system" for improved accuracy. Simply open the probe and take the reading - the pivoting probe and swivel tip ensure perfect surface contact and high accuracy measurement.



- **Protective silicone boot**  
Protect your instrument against accidental damage by fitting a boot



## ● Stainless steel wall bracket (832-002)

Stores the Thermapen Classic safely when not in use. Keyhole slot for hanging (screws not supplied) Measures 27 x 58 x 115 mm



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
231-279	Pro-Surface Thermapen - black
830-260	Protective silicone boot
830-265	Silicone boot - glow in dark
830-110	Protective wallet
830-001	Zip pouch
832-002	Stainless steel wall bracket

Specification	Thermapen Classic/Pro-Surface
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	1500 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® IR THERMOMETER

- High accuracy - ideal for HACCP procedures
- Patented, automatic 360° rotational display
- Adjustable emissivity for different surfaces
- Motion-sensing sleep mode - probe only

The Thermapen IR is two instruments in one compact unit, combining the advanced technology of two ETI designed and manufactured products, the RayTemp 2 Plus infrared thermometer and Thermapen Professional thermometer.

Housed in a robust ABS case containing Biomaster Antimicrobial Technology that reduces bacterial growth, the Thermapen IR incorporates a motion-sensing sleep mode (penetration probe only) which automatically turns the instrument on/off when set down or picked up, maximising battery life.

- **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 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 between 0.1 and 1, if required via the mode button.

- **Penetration probe**

Alternatively, it is possible to take liquid or the core temperature of semi-solid food products using the fast response, stainless steel penetration probe (Ø3.3 x 110 mm). Displaying the temperature in just 3 seconds. The probe conveniently folds back through 180° into the side of the instrument when not in use.



CATERING

Stainless steel wall bracket (832-002)



UK Patent No. GB 2504936



Order code	Description
228-065	Thermapen IR
830-480	Protective silicone boot
830-001	Zip pouch
832-002	Stainless steel wall bracket
830-485	Silicone boot - glow in dark

Specification	Thermapen IR
Range - infrared	-49.9 to 349.9 °C
Range - probe	-49.9 to 299.9 °C
Resolution	0.1 or 1 °C/°F - user selectable
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) otherwise ±1 °C
Field of view	Target ratio 5:1
Emissivity	0.95 default - adjustable 0.1 to 1
Battery	2 x 3 volt CR2032 lithium coin cell
Battery & life	1000 hours - continuous use
Display	12 mm (horizontal) & 10 mm (vertical) LCD
Dimensions	19 x 50 x 157 mm
Weight	125 grams
FREE traceable certificate of calibration included (probe & IR)	

# THERMALITE® 1 & 2 THERMOMETERS

- Reduced tip provides faster & more accurate readings
- ThermaLite 2 includes CalCheck 0.0 °C function
- FREE traceable certificate of calibration
- Assured accuracy for the life of the thermometer

**new  
model**



These ThermaLite digital thermometers display temperature over the range of -39.9 to 149.9 °C with a 0.1 °C/°F resolution and an accuracy of ±0.5 °C (-39.9 to 124.9 °C). This accuracy is guaranteed for life, due to the instruments advanced electronics. The ThermaLite 2 also incorporates CalCheck and hold functions.

The thermometers weigh only 45 grams including battery, and feature a clear, easy to read LCD display with an open circuit 'Err' and low battery indication.

The ThermaLite's auto-power off facility turns the instrument off automatically after ten minutes, maximising battery life. The thermometer is housed in a high impact ABS plastic case which includes Biomaster Antimicrobial Technology that reduces bacterial growth, ideal for routine day-to-day food and catering applications.

The Ø3.3 x 80 mm reduced tip, stainless steel, penetration probe is ideal for measuring the temperature of food and semi-solid materials. The ThermaLite is available in six colours, suitable for different applications.



## ● ThermaLite 2 - with Calcheck function

The ThermaLite 2 features a CalCheck 0.0 °C (±0.1 °C) function that allows the user to verify the accuracy of the thermometer at any time, giving confidence that measurements are accurate.



## ● Protective silicone boot

Protects your instrument against accidental damage and increases the water resistance to an IP65 rating.

## ● NEW ThermaLite 1 & 2 with Surface probe

Specifically designed to measure the temperature of grills, hot plates, and other flat surfaces.

Probe dimensions are Ø3.3 X 67 mm with a Ø10 mm flat, sensing tip.



### Order code Description

226-101	ThermaLite 1 - grey
226-111	ThermaLite 1 - white
226-121	ThermaLite 1 - yellow
226-131	ThermaLite 1 - green
226-141	ThermaLite 1 - red
226-151	ThermaLite 1 - blue
226-201	ThermaLite 1 - grey - Surface
226-102	ThermaLite 2 - grey
226-112	ThermaLite 2 - white
226-122	ThermaLite 2 - yellow
226-132	ThermaLite 2 - green
226-142	ThermaLite 2 - red
226-152	ThermaLite 2 - blue
226-202	ThermaLite 2 - grey - Surface
830-280	Protective silicone boot



Specification	ThermaLite 1 & 2
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	5000 hours
Sensor type	Thermistor
Display	10 mm LCD
Dimensions	Ø29 x 196 mm (inc. probe)
Weight	45 grams
FREE traceable certificate of calibration included	

# TEMPTEST® 1 & 2 THERMOMETERS

- Fast response probe, reaches temperature in just 3 seconds!
- 360° rotating display with auto intelligent backlight
- TempTest® 2 features air, surface or penetration probe
- Waterproof to IP67

These TempTest smart 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 thermometer will power off automatically after ten minutes maximising battery life, this feature can be disabled if not required.

The thermometer is housed in a waterproof IP67 case with an ergonomic rubber seal, both include Biomaster Antimicrobial Technology which reduces bacterial growth. As well as being waterproof, it is 'probably' one of the fastest reading contact thermometers on the market today.

The TempTest features an automatic 360° display, which rotates in 90° increments enabling the user to read the temperature in any position ie. left hand, right hand, vertical or horizontal. This feature can be 'locked' by the user, if required. Both low battery (icon) and open circuit indication are displayed, when applicable. The TempTest 1 is supplied with an integral, permanently attached, stainless steel food penetration probe (Ø3.3 x 80 mm) with fast response tip and comes complete with a FREE holster/wall bracket to ensure safe, secure and handy storage.



## ● Choice of probe styles

The TempTest 2 is also available with two additional probe styles; surface or air. The fast response air or gas probe is an invaluable tool in establishing the correct air temperature quickly in refrigeration units, storage areas and other similar applications. The waterproof, ribbon surface probe is particularly useful for determining the temperature of hot plates, grills, pipework etc. **Please note:** The accuracy and speed of response will be dependant on whether the surface is flat.

### PENETRATION PROBE

Ø3.3 x 100 mm



This fast response, stainless steel penetration probe has a reduced tip and is ideal for measuring a wide variety of applications including liquids and semi-solids.

### AIR OR GAS PROBE

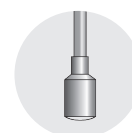
Ø3.3 x 100 mm



This fast response air or gas probe is ideal for measuring the air temperature in fridges, freezers, chill cabinets and similar.

### WATERPROOF SURFACE PROBE

Ø8 x 100 mm



This ribbon surface probe is ideal for measuring the surface temperature of hotplates, grills and other flat surfaces.

## ● Protective silicone boot

Protect your instrument against accidental damage by fitting a protective silicone boot. For details on the various colours available please visit our website.



Order code	Description
221-910	TempTest 1 thermometer
222-910	TempTest 2 - penetration probe
222-913	TempTest 2 - air probe
222-914	TempTest 2 - surface probe
830-431	Protective silicone boot - white



Specification	TempTest 1	TempTest 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	5000 hours (normal use, without backlight)	
Sensor type	K thermocouple	
Display	11 mm LCD	
Dimensions	17 x 47 x 200 mm	17 x 47 x 120 mm
Weight	105 grams	140 grams
FREE traceable certificate of calibration included		

## FOOD CHECK THERMOMETER & PROBE

- Ideal for HACCP procedures
- FREE traceable certificate of calibration

The Food Check is designed specifically for the food and catering professional. The thermometer will measure temperature quickly and accurately when monitoring cooked and chilled foods as part of HACCP and health and safety procedures.

The unit features a large, easy to read, LCD display with open circuit and low battery indication. 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.



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 boot - white
832-050	S/steel wall bracket & boot

Specification	Food Check
Range	-49.9 to 299.9 °C
Resolution	0.1 °C
Accuracy	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Battery & life	3 x 1.5 volt AAA - 10000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	160 grams
FREE traceable certificate of calibration included	

## THERMAMITE® THERMOMETER & PROBE

- Includes Biomaster Antimicrobial Technology
- One button, simple & easy to use

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

Available in five different colours, ideal for different food types or preparation areas, that can help avoid cross-contamination.

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 boot - white
832-050	S/steel wall bracket & boot



Specification	Thermamite
Range	-50 to 300 °C
Resolution	1 °C
Accuracy	±1 °C
Battery & life	3 x 1.5 volt AAA - 10000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	160 grams
FREE traceable certificate of calibration included	



# CATERTEMP® THERMOMETER & PROBE

- High system accuracy  $\pm 0.4^{\circ}\text{C}$  &  $0.1^{\circ}\text{C}$  resolution
- FREE traceable certificate of calibration

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.

Each unit is housed in a robust ABS case that includes Biomaster Antimicrobial Technology which reduces bacterial growth such as MRSA and E.coli.

The instrument features a bright, easy to read LCD, displaying open circuit and low battery indication, when applicable. Each CaterTemp is supplied with a permanently attached food penetration probe with a 130 mm pointed, stainless steel stem and one metre coiled PU lead.



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

Specification	CaterTemp
Range	-49.9 to 299.9 $^{\circ}\text{C}$
Resolution	$0.1^{\circ}\text{C}$
Accuracy	$\pm 0.4^{\circ}\text{C}$ (-49.9 to 299.9 $^{\circ}\text{C}$ ) otherwise $\pm 1^{\circ}\text{C}$
Battery & life	3 x 1.5 volt AAA - 10000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	175 grams
FREE traceable certificate of calibration included	

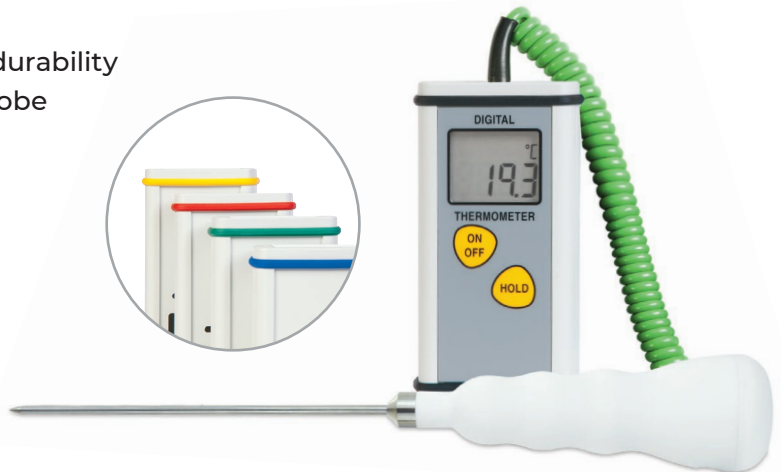
# CATERTEMP® PLUS WATERPROOF THERMOMETER

- Extruded aluminium case for superior durability
- Supplied complete with penetration probe

The CaterTemp Plus thermometer 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 thermometer incorporates a secure battery compartment with a waterproof cover and is supplied with a permanently attached, waterproof, heavy duty penetration probe with a  $\varnothing 3.3 \times 130$  mm stainless steel stem and one metre PU coiled lead.

Available with a choice of colour-coded rubber seals that can help avoid cross-contamination.



Order code	Description
221-056	CaterTemp Plus - black seal
221-256	CaterTemp Plus - yellow seal
221-356	CaterTemp Plus - green seal
221-456	CaterTemp Plus - red seal
221-556	CaterTemp Plus - blue seal
830-242	Protective PVC boot - black
832-150	Acrylic wall bracket

Specification	CaterTemp Plus
Range	-49.9 to 299.9 $^{\circ}\text{C}$
Resolution	$0.1^{\circ}\text{C}$
Accuracy	$\pm 0.4^{\circ}\text{C} \pm 0.1\%$ of reading
Battery & life	9 volt PP3 alkaline - 5000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	35 x 60 x 115 mm
Weight	286 grams
FREE traceable certificate of calibration included	

# THERMA 20 HIGH ACCURACY THERMOMETER

- Assured accuracy for the life of the thermometer
- FREE traceable certificate of calibration
- Meets the European Standard EN 13485
- 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 ±0.4 °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 Antimicrobial Technology 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 a wide range of interchangeable probes to be used. See opposite page for a select range or visit our website for our complete range.



Penetration probe (174-166)



- **Thermistor test caps**  
Used to perform accuracy checks of Therma 20 thermometer. Supplied with a UKAS certificate of calibration. See below for various models available.

Order code	Description
226-040	Therma 20
174-166	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 boot - white
832-050	S/steel wall bracket & boot
The Therma 20 is exclusive of probe	

Specification	Therma 20
Range	-39.9 to 149.9 °C
Resolution	0.1 °C
Instrument only accuracy	±0.2 °C
System accuracy	±0.4 °C (-24.9 to 109.9 °C)
Battery & life	3 x 1.5 volt AAA - 20000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	130 grams
FREE traceable certificate of calibration included	





# NTC THERMISTOR PROBES WITH LUMBERG CONNECTOR

			Order code	
<b>PENETRATION PROBE</b>  Ø3.3 x 130 mm	<p>This stainless steel penetration probe is strong, versatile and incorporates a heavy duty, ribbed, polypropylene handle with a colour-coded end cap. Ideal for measuring liquids, semi-solids and granular materials.</p> <ul style="list-style-type: none"> <li>● Response time less than 5 seconds</li> <li>● Probe temperature range -40 to 150 °C</li> </ul>	<ul style="list-style-type: none"> <li>● Blue: 174-161</li> <li>● Black: 174-162</li> <li>● Green: 174-164</li> <li>● Red: 174-165</li> <li>● White: 174-166</li> <li>● Yellow: 174-167</li> </ul>		
<b>FAST RESPONSE PROBE</b>  Ø2.6 x 130 mm	<p>This stainless steel, fast response, needle penetration probe incorporates a heavy duty ribbed, polypropylene handle. The probe is suitable for liquids and soft semi-solids including fish, fruit and other delicate materials.</p> <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -40 to 150 °C</li> </ul>		174-100	
<b>AIR OR GAS WIRE PROBE</b>  Ø3.7 x 30 mm with 1000 mm FEP lead	<p>This fast response, air or gas wire probe is ideal for measuring air temperature in chill cabinets, fridges, freezers, offices, storage areas and similar. Supplied with a one metre FEP lead.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -40 to 150 °C</li> </ul>		170-372	
<b>AIR OR GAS PROBE</b>  Ø3.3 x 130 mm	<p>This stainless steel, fast response air or gas probe incorporates a heavy duty ribbed, polypropylene handle. The probe is ideal for measuring air temperature in refrigeration units, storage areas and other similar applications.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -40 to 150 °C</li> </ul>		174-300	
<b>FOIL BETWEEN PACK PROBE</b>  40 x 50 mm with 1000 mm FEP lead	<p>This easy to use, flexible, fast response, foil between pack probe has been designed to measure between packs or boxes of produce in a variety of applications.</p> <ul style="list-style-type: none"> <li>● Response time less than 3 seconds</li> <li>● Probe temperature range 0 to 100 °C</li> </ul>		170-090	
<b>CORKSCREW PROBE</b>  Ø8 x 100 mm	<p>This frozen food probe incorporates a heavy duty T-shaped, polypropylene handle and a corkscrew design sensing tip. Ideal for measuring deep frozen foods or other frozen materials. Supplied with a one metre PVC detachable lead.</p> <ul style="list-style-type: none"> <li>● Response time less than 9 seconds</li> <li>● Probe temperature range -40 to 150 °C</li> </ul>		170-175	
<b>CALIBRATION TEST CAPS</b> 	<p>These thermistor test caps are suitable for checking the accuracy of the Therna 20 or any equivalent thermistor thermometer. Simply plug in the desired test cap and the display on the thermometer should show the same temperature as the certified value.</p> <p>Each test cap is supplied with a UKAS Certificate of Calibration with a guaranteed uncertainty of ±0.1 °C.</p>	<ul style="list-style-type: none"> <li>-18 °C</li> <li>0 °C</li> <li>3 °C</li> <li>70 °C</li> <li>100 °C</li> </ul>	286-001 286-002 286-003 286-004 286-005	

Please note: the above NTC thermistor probes are suitable for use with the Therna 20, 22, 20 Plus and 22 Plus thermometers

## THERMACHECK THERMOMETER & PROBE

- Assured accuracy for life
- High system accuracy  $\pm 0.4^{\circ}\text{C}$

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

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



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

Specification	ThermaCheck
Range	-39.9 to 149.9 $^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}$
Accuracy	$\pm 0.4^{\circ}\text{C}$ (-29.9 to 129.9 $^{\circ}\text{C}$ )
Battery & life	3 x 1.5 volt AAA - 20000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	220 grams
FREE traceable certificate of calibration included	

## THERMACHECK PLUS WATERPROOF THERMOMETER

- Backlight, auto-power off, max/min & hold functions
- High system accuracy  $\pm 0.4^{\circ}\text{C}$

The ThermaCheck Plus thermistor 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 both catering and food processing applications where cleaning is paramount.

The instrument is housed in an ergonomic, ABS case that includes Biomaster Antimicrobial Technology to reduce bacterial growth. Each unit has an integrated rubber seal to ensure complete water resistance and help reduce the possibility of damage in harsh environments.

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



Order code	Description
232-042	ThermaCheck Plus
830-231	Protective silicone boot - white
832-015	Stainless steel wall bracket

Specification	ThermaCheck Plus
Range	-39.9 to 149.9 $^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}$
Accuracy	$\pm 0.4^{\circ}\text{C}$ (-29.9 to 129.9 $^{\circ}\text{C}$ )
Battery & life	3 x 1.5 volt AAA - 7500 hours
Sensor type	Thermistor
Display	15 mm LCD
Dimensions	32 x 71 x 141 mm
Weight	298 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 PDA's to train staff how to use! The Saf-T-Log is as easy to use as your current thermometer.

The Saf-T-Log includes Windows® 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 1000 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, IP66/67 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.



Penetration probe (123-160)

CATERING

Name	High Limit (°C)	Low Limit (°C)	Pass
Butter	9.0	15.0	YES
Confection Chocolate	9.0	15.0	YES
Butter	9.0	15.0	YES
Chocolate Sauce	9.0	15.0	YES
Cream	9.0	15.0	YES
Custard	9.0	15.0	YES
Cream	9.0	15.0	YES
Cream	9.0	15.0	YES
Pastry Shell	9.0	15.0	YES
Red Pepper	9.0	15.0	YES
Tomato	9.0	15.0	YES
Hamster	9.0	15.0	YES
Peas	9.0	15.0	YES
BBQ Sauce	9.0	15.0	YES

- **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!

Date	Time	Temp (°C)	Pass/Fail	Notes
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	
23-04-2018	14:30:00	70.0	YES	



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 - 3000 hours
Battery life	>2500 hours (without backlight)
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	32 x 71 x 141 mm
Weight	220 grams
FREE traceable certificate of calibration included	

Order code	Description
292-701	Saf-T-Log
123-160	Penetration probe
830-231	Protective silicone boot - white
The Saf-T-Log is exclusive of probe	

# THERMA 1, 3 & ELITE THERMOMETERS

- Elite model includes backlight & max/min functions
- FREE traceable certificate of calibration
- Interchangeable thermocouple probes
- Compact & robust design

The Therma 1 and 3 digital thermometers are rugged and easy to use instruments that operate through the range of -100 to 1372 °C with a 0.1 °C or 1 °C resolution. The thermometers are housed in a robust ABS case that contains Biomaster Antimicrobial Technology to reduce bacterial growth.

The Therma 1 and 3 feature large, easy to read, LCD displays with open circuit 'Err', hold and low battery indication. Each thermometer is powered by three AAA batteries that give a minimum of 10000 hours battery life. The units will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if not required.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see opposite page for a select range or visit our website for our complete range.

## Therma Elite thermometer

The Therma Elite incorporates all the features of a Therma 1 thermometer, but with the addition of a backlit display, max/min memory function and a mode button for the selection of 0.1/1 °C/°F. The thermometer also incorporates a calibration trim function ( $\pm 2$  °C) which allows the user to compensate for thermocouple probe errors.



Order code	Description
221-041	Therma 1
221-043	Therma 3
221-061	Therma Elite
123-160	Penetration probe
830-227	Protective silicone boot - black
832-053	S/steel wall bracket & boot
The Therma series is exclusive of probe	



Penetration probe (123-160)



## OPTIONAL ACCESSORIES:
























- Protective silicone boot - the Therma series is splashproof to IP64 when used in conjunction with this boot. Various colours are available - see page 12 for details
- Stainless steel wall bracket (screws not supplied) & protective black silicone boot (832-053)



Specification	Therma 1/Elite	Therma 3
Range 0.1 °C	-99.9 to 299.9 °C	N/A
Range 1 °C	300 to 1372 °C	-100 to 1372 °C
Resolution	0.1 °C & 1 °C	1 °C
Accuracy	$\pm 0.4$ °C $\pm 0.1$ %	$\pm 1$ °C
Battery & life	3 x 1.5 volt AAA - 10000 hours	
Sensor type	K thermocouple	
Display	12 mm LCD	
Dimensions	25 x 56 x 128 mm	
Weight	130 grams	
FREE traceable certificate of calibration included		



# HAND HELD TYPE K OR T THERMOCOUPLE PROBES

		Order code	
<b>PENETRATION PROBE</b>    $\varnothing 3.3 \times 130 \text{ mm}$	<p>This stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-160  323-160 (coiled lead)	
<b>PENETRATION PROBE</b>    $\varnothing 3.3 \times 300 \text{ mm}$	<p>This extended, stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-168  323-168 (coiled lead)	
<b>FAST RESPONSE PROBE</b>    $\varnothing 3.3 \times 100 \text{ mm}$	<p>This reduced tip (<math>\varnothing 1.8 \times 25 \text{ mm}</math>), fast response, stainless steel penetration probe is ideal for liquids or soft semi-solids such as fish, fruit and other similar materials.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-159  323-159 (coiled lead)	
<b>NEEDLE PENETRATION PROBE</b>    $\varnothing 1.8 \times 130 \text{ mm}$	<p>This fast response, stainless steel needle penetration probe is ideal for liquids or soft semi-solids such as fish, fruit etc.</p> <ul style="list-style-type: none"> <li>● Response time less than 1 second</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-100  323-100 (coiled lead)	
<b>MINIATURE NEEDLE PROBE</b>    $\varnothing 1.4 \text{ mm reducing to } \varnothing 1 \text{ mm tip} \times 50 \text{ mm}$	<p>This miniature, stainless steel needle probe is supplied with a one or two metre PTFE lead. Ideal for measuring small semi-solid items and sous vide cooking.</p> <ul style="list-style-type: none"> <li>● Response time less than 1 second</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	133-180 (1m lead)  133-182 (2m lead)	
<b>BURGER PROBE</b>    $\varnothing 4.5 \times 45 \times 160 \text{ mm}$ (6 or 12 mm tip)	<p>This burger probe has been specifically designed for use in fast food kitchens. The 12 mm stainless steel disc ensures the correct insertion depth (6 or 12 mm) every time.</p> <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-745 (6 mm tip)  123-746 (12 mm tip)	
<b>RIBBON SURFACE PROBE</b>  $\varnothing 15 \times 130 \text{ mm}$	<p>This precision, ribbon surface probe utilises flat ribbon technology that ensures a fast, accurate response with minimal heat loss. A right-angled version is also available.</p> <ul style="list-style-type: none"> <li>● Response time less than 1 second</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-030  123-032 (right-angled)	
<b>RIGID BETWEEN PACK PROBE</b>    $\varnothing 4.5 \times 130 \text{ mm}$	<p>This rigid, stainless steel between pack probe is strong and versatile, designed specifically to measure between packets or boxes of produce.</p> <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -75 to 250 °C</li> </ul>	123-060  323-060 (coiled lead)	
<b>HIGH TEMPERATURE PROBE</b>  $\varnothing 3 \times 300 \text{ mm}$	<p>This extended, flexible, mineral insulated (MI) probe can be bent to any shape without affecting its performance. Ideal for measuring high temperatures in deep fat fryers, ovens etc.</p> <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -200 to 1100 °C</li> </ul>	123-213  323-213 (coiled lead)	

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

# THERMAQ® TWO CHANNEL THERMOMETER

- Simultaneously displays two probe temperatures
- Audible alarm with variable volume control
- Wide temperature range -99.9 to 1372 °C
- Programmable high/low alarm

The ThermaQ thermometer allows the user to simultaneously use two type K thermocouple probes whilst displaying both current temperatures and the maximum and minimum recorded temperatures. This allows the user to monitor, for example, both an item of food and the oven air temperature at the same time or monitor the rise and fall of temperatures across refrigeration units.

The thermometer measures 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, T1, T2, max/min, open circuit, low battery indication, programmable high/low audible alarm and a user selectable backlight.





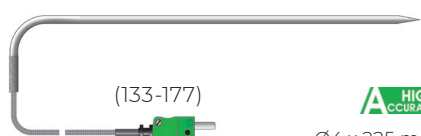

The instrument is housed in an ergonomic, ABS case that includes Biomaster Antimicrobial Technology to reduce bacterial growth. An integrated rubber seal ensures complete water resistance and helps reduce the possibility of damage in harsh environments.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see below and page 15 or visit our website for our complete range.



Specification	ThermaQ
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 - 3000 hours
Sensor type	K thermocouple
Display	Custom LCD
Dimensions	32 x 71 x 141 mm
Weight	230 grams
FREE traceable certificate of calibration included	

Order code	Description	£ each
231-050	ThermaQ	
830-258	Protective silicone boot - black	
832-015	Stainless steel wall bracket	
The ThermaQ is exclusive of probes		

		Order code	£ each
<b>OVEN/AIR PROBE &amp; CLIP</b>  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 two 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 350 °C</li> </ul>	133-441	
		830-530 (spare clip)	
<b>CROCODILE CLIP OVEN PROBE</b>  Ø4 x 20 mm with 2000 mm lead 	Oven probe incorporating a crocodile clip that can easily be attached to an oven rack or similar. Supplied with a two metre stainless steel braided lead. <ul style="list-style-type: none"> <li>● Response time less than 2 seconds</li> <li>● Probe temperature range -50 to 350 °C</li> </ul>	133-041	
<b>PENETRATION PROBES</b>  (133-177) Ø4 x 225 mm 	These stainless steel penetration probes are ideal for continuous monitoring in ovens. Supplied with a two metre stainless steel braided lead or stainless steel armoured lead. <ul style="list-style-type: none"> <li>● Response time less than 4 seconds</li> <li>● Probe temperature range -50 to 250 °C</li> </ul>	133-177 (braided) 133-178 (armoured)	

Longer leads are available for the probes above, please contact our technical sales office for more information.



# SOUS VIDE THERMOMETER KITS

## SOUS VIDE THERMOMETER KIT

### Each 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)
- Mini tub of 70 Probe Wipes (836-022)
- Sous Vide foam/tape - one metre (600-475)
- ABS carrying case (834-150)

Order code	Description
860-035	Sous Vide thermometer kit
600-475	Additional Sous Vide foam/tape
FREE traceable certificate of calibration included	



## BUDGET SOUS VIDE THERMOMETER KIT

### Each kit contains:

- Therma 1 thermometer (221-041)
- 60 mm Sous Vide needle probe (133-109)
- Sous Vide foam/tape - one metre (600-475)
- Zip pouch (830-037)

Order code	Description
860-036	Budget Sous Vide thermometer kit
600-475	Additional Sous Vide foam/tape
FREE traceable certificate of calibration included	

## SOUS VIDE THERMAPEN®

- 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.

The Sous Vide Thermapen features the same specification as the Thermapen Classic (see page 4) and includes a FREE traceable certificate of calibration.



Order code	Description
231-011	Sous Vide Thermapen
600-475	Sous Vide foam/tape
830-001	Zip pouch
FREE traceable certificate of calibration included	



### OPTIONAL ACCESSORIES:

- Sous Vide foam/tape - one metre (600-475)
- Zip pouch with belt strap (830-001)



## IR-POCKET THERMOMETER

- LED spot alignment - safer than a laser
- Max/min, display hold & lock functions

The IR-Pocket non-contact, infrared thermometer has an easy to read, LCD display with low battery indication and an auto-power off facility that turns the instrument off after 15 seconds.

This thermometer features a two-button keypad, simply aim the thermometer at the target and press the 'measure' button to display the surface temperature instantly. Pressing the 'mode' button allows the user to access a variety of functions, i.e. max/min, °C/°F, lock and emissivity. The lock function allows for continuous temperature measurement and the emissivity is adjustable so the user can measure a variety of surface types.

The unit incorporates LED spot alignment, which allows the user to precisely target the diameter of the area being measured.

Order code	Description
814-060	IR-Pocket



LED pointer



Specification	IR-Pocket
Range	-9.9 to 199.9 °C
Resolution	0.1 °C/°F
Accuracy	±2 °C or ±2 % whichever is greater
Field of view	Target ratio 1:1
Emissivity	0.95 default - adjustable 0.1 to 1
Battery & life	2 x 1.5 volt AAA - 20 hours continuous use
Display	Custom LCD
Dimensions	25 x 52 x 100 mm
Weight	88 grams

## RAYTEMP® 2 IR THERMOMETER

- High accuracy ±1 °C over a limited range
- FREE traceable certificate of calibration

Designed and manufactured in the UK, the RayTemp 2 infrared, non-contact thermometer features a large, easy to read LCD display and a three-button keypad, incorporating measure, mode and max/min functions. Simply aim at the target and press the measure button to display the surface temperature.

Incorporating a 5:1 optic ratio (target distance ratio) and a fixed emissivity of 0.95 making it suitable for a wide range of food and industrial applications, each RayTemp 2 is housed in a robust ABS case that contains Biomaster Antimicrobial Technology that reduces bacterial growth.

The unit does not incorporate laser alignment, which will appeal to those who are health and safety conscious and do not require this feature.

Order code	Description
228-020	RayTemp 2
830-221	Protective silicone boot - white



Specification	RayTemp 2
Range	-49.9 to 349.9 °C
Resolution	0.1 °C & 1 °C
Accuracy	±1 °C (0 to 100 °C) otherwise ±2 °C or ±2 % of reading whichever is greater
Field of view	Target ratio 5:1
Emissivity	0.95 fixed
Battery & life	3 x 1.5 volt AAA - 5000 hours continuous use
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	130 grams
FREE traceable certificate of calibration included	

## MINI RAYTEMP® IR THERMOMETER

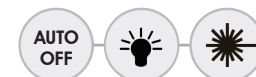
- Target distance/diameter ratio 12:1
- Laser dot alignment for precise targeting

The Mini RayTemp infrared thermometer is compact, lightweight and ideal for numerous temperature measurement applications where contact with the item to be measured is an issue. Simply aim and pull the trigger to display the surface temperature of the item.

This infrared thermometer has a clear, easy to read, LCD display with low battery, backlight indication and an auto-power off facility that turns the instrument off after ten seconds, maximising battery life.

The unit also incorporates laser assisted alignment as standard, to assist in pin-pointing the area of measurement, and incorporates a 12:1 optic ratio (target distance/diameter ratio) and a fixed emissivity of 0.95 making it suitable for a wide range of catering and food processing applications.

Order code	Description
814-080	Mini RayTemp
830-040	Protective nylon pouch



Specification	Mini RayTemp
Range	-50 to 330 °C
Resolution	0.1 °C/°F
Accuracy	±2 °C (0 to 330 °C) otherwise ±4 °C or ±4 % whichever is greater
Field of view	Target ratio 12:1
Emissivity	0.95 fixed
Battery & life	9 volt PP3 - 80 hours continuous use
Display	Custom LCD
Dimensions	36 x 88 x 131 mm
Weight	143 grams

## RAYTEMP® 3 IR THERMOMETER

- High accuracy over the critical food range
- Circular laser for precise targeting

The RayTemp 3 infrared thermometer is compact, lightweight, easy to use and ideal for measuring food surface temperatures, eliminating the need to touch or contaminate the food you are measuring, avoiding the risk of cross-contamination. Additionally the unit is suitable for measuring the surface temperature of griddles and hotplates.

Simply aim and pull the trigger to display the temperature of the item being measured. In addition the LCD will display the maximum temperature. The RayTemp 3 incorporates a circular laser with centre dot indicator, which allows you to precisely target the diameter of the area to be measured, backlight indication and an auto-power off facility that turns the unit off after 15 seconds, maximising battery life.

Order code	Description
814-040	RayTemp 3
830-040	Protective nylon pouch
834-740	ABS carrying case
814-132	Comparator



### OPTIONAL ACCESSORY:

- Protective nylon pouch with belt strap (830-040)



Specification	RayTemp 3
Range	-60 to 500 °C
Resolution	0.1 °C (-9.9 to 199.9 °C) or 1 °C
Accuracy	±1 °C (0 to 65 °C) otherwise ±2 °C or ±2 % whichever is greater
Field of view	Target ratio 12:1
Emissivity	0.97 fixed
Battery	2 x 1.5 volt AAA
Battery life	140 hours continuous use
Display	Custom LCD
Dimensions	40 x 66 x 155 mm
Weight	180 grams



# THERMADATA® LOGGERS FOR TEMPERATURE

- Waterproof housing offering IP66/67 protection
- Temperature range -40 to 85 °C or 125 °C
- Resolution 0.1 °C, high accuracy  $\pm 0.5$  °C
- Meets EN12830, S & T, C & D, 1

The ThermaData logger consists of a comprehensive range of portable data-loggers utilising the latest in electronic technology and housed in waterproof, ergonomic cases designed to meet IP66/67 protection.

The ThermaData logger offers the choice of either blind data-loggers or data-loggers with an LCD display. Other options include internal and external temperature sensors/probes. The remote temperature probes are supplied with a one metre PVC/PFA lead. Other models and options are available on our website.

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.

## THERMADATA STUDIO SOFTWARE

The ThermaData logger is connected to a PC via a USB cradle. By selecting the relevant icon the data can be downloaded and displayed either as a graph, table or summary. The information can be analysed by zooming in, saving as a Studio File or exporting as a text (.txt) or Excel (.xls) file to other software packages.

The software incorporates several useful functions, including the ability to display two traces on a graph, the trace colours are user selectable. All files can be viewed as thumbnail icons for easy identification.



CATERING



The ThermaData Studio software will work equally with all ThermaData loggers. The software is both powerful and sophisticated, yet user-friendly enabling temperature data to be organised and analysed to provide management information. The software allows the user to programme the logging sample/interval rate (0.1 to 255 minutes), the real-time clock, °C or °F, delayed start (maximum 23 hours, 59 minutes and 59 seconds) or select a magnetic start option. It is also possible to include a 32-character user ID for each logger.

By selecting continuous logging in the software options, it is possible to start the ThermaData logger only once and never have to reset its parameters again, even if downloaded regularly. Unlike most low cost loggers, the ThermaData logger will continue recording during and after downloading the data.

The ThermaData Studio software is supplied as a FREE download. **Please note:** when initially ordering loggers it is necessary to order at least one ThermaData logger cradle - see opposite page for details.

**TB - BLIND WITH AN INTERNAL SENSOR**

- NTC thermistor sensor
- -40 to 85 °C
- Records up to 4000 readings

Order code	Description
295-001	Model TB

**TD - LCD WITH AN INTERNAL SENSOR**

- NTC thermistor sensor
- -30 to 85 °C
- Records up to 4000 readings

Order code	Description
296-001	Model TD

**TBF - BLIND WITH AN EXTERNAL FIXED SENSOR**

- NTC thermistor sensor
- Ø3.3 x 100 mm probe, 1 metre PVC/PFA lead
- -40 to 125 °C
- Records up to 4000 readings

Order code	Description
295-101	Model TBF

**TDF - LCD WITH AN EXTERNAL FIXED SENSOR**

- NTC thermistor sensor
- Ø3.3 x 100 mm probe, 1 metre PVC/PFA lead
- -40 to 125 °C
- Records up to 4000 readings

Order code	Description
296-101	Model TDF

**TB2F - BLIND WITH TWO EXTERNAL FIXED SENSORS**

- NTC thermistor sensors
- Ø3.3 x 100 mm probe, 1 metre PVC/PFA lead
- -40 to 125 °C (external)
- Records up to 2 x 2000 readings

Order code	Description
295-111	Model TB2F

**TD2F - LCD WITH TWO EXTERNAL FIXED SENSORS**

- NTC thermistor sensors
- Ø3.3 x 100 mm probe, 1 metre PVC/PFA lead
- -40 to 125 °C (external)
- Records up to 2 x 2000 readings

Order code	Description
296-111	Model TD2F

Specification	All models
Range - internal	-30/-40 to 85 °C - model dependant
Range - external	-40 to 125 °C - model dependant
Resolution	0.1 °C
Accuracy	±0.5 °C (@ ambient -10 to 85 °C)
Memory	4000 or 2 x 2000 readings
Sample rate	0.1 to 255 minutes
Battery	3.6 volt ½ AA lithium
Battery life	Approximately 1.5 years
Display - blind	2 LED's
Display - LCD	10 mm LCD/2 LED's
Dimensions	Ø76 x 23 mm
Weight	71 to 113 grams - model dependant
A protective silicone boot is available (830-270) please contact our sales office or visit our website	

**USB CRADLE & START MAGNET**

Each USB cradle is supplied with a one metre PVC lead complete with a start magnet.



Order code	Description
293-804	Cradle & start magnet

# THERMADATA® WIFI LOGGERS FOR TEMPERATURE

- Email alerts user when alarm limits are exceeded
- Access temperature data worldwide via internet
- NO ongoing or subscription charges
- Programmable high/low alarm

The ThermaData WiFi loggers utilise the latest WiFi wireless technology. The loggers are a battery powered, cost-effective, temperature monitoring system that remotely records the temperature of appliances and buildings. Each logger transmits the recorded data to a WiFi router connected to the internet which can be accessed and viewed from a PC, laptop or tablet anywhere in the world.

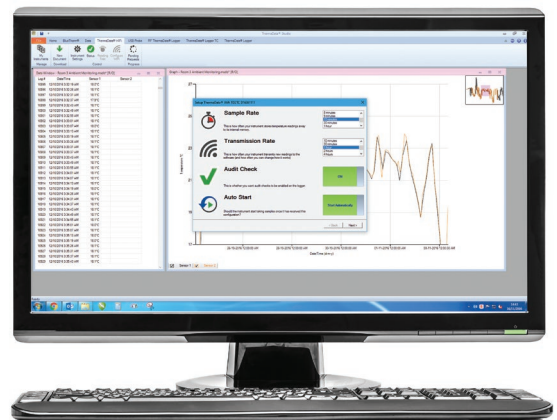
The loggers have a range limited to the specification of the users WiFi router. Each logger has an intuitive LCD displaying; temperature, WiFi and internet connection status, max/min recorded temperatures, alarm status and battery life.

At programmable intervals, the loggers will record temperature from both sensors, recording up to a maximum of 18000 readings (9000 from each sensor). 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 the customised preset alarms have been exceeded. Each logger communicates directly to the WiFi router at set intervals to push data through the internet into ThermaData Studio. 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 Studio software is available to download FREE from our website and is licence free, no ongoing or subscription charges.

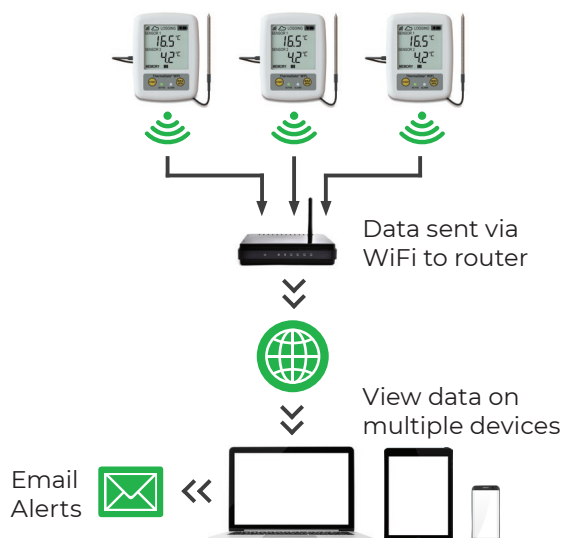


## HOW DOES THE THERMADATA WIFI LOGGER WORK?

Using the unique ID of each logger ThermaData Studio 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 WiFi router at set intervals to push data through the internet into ThermaData Studio. The information is available to be analysed and exported into a report format.



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



## THERMADATA STUDIO SOFTWARE

Both powerful and sophisticated, yet user-friendly, the ThermaData Studio software enables temperature data to be organised and analysed to provide management information.

The ThermaData Studio software has the ability to display up to 32 traces on a graph, the trace colours are user selectable. All files can be viewed as thumbnail icons for easy identification.

The software allows the user to programme the logging sample/interval rate (0.1 to 255 minutes), communication interval (sync) with PC, real-time clock, °C or °F and a manual start option. It is also possible to include a user ID for each logger.

Please note: WiFi 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 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. Model TD2F is supplied with two external remote probes.

Specification	TD	TD1F	TD2F
Range - internal	0 to 50 °C	0 to 50 °C	N/A
Range - external	N/A	-40 to 125 °C	-40 to 125 °C
Resolution	0.1 °C/°F		
Accuracy	±0.5 °C		
Memory	18000 readings	2 x 9000 readings	
Sample rate	0.1 to 255 minutes		
Battery & life	2 x 1.5 volt AA - approximately 1 year		
Display	12 mm LCD/2 LED's		
Dimensions	29 x 72.5 x 96 mm		
Weight	165 grams model dependant		
FREE traceable certificate of calibration included			



Order code	Description
298-001	Model TD
298-011	Model TD1F*
298-111	Model TD2F*
830-880	Protective boot - black
*Inclusive of thermistor probe(s)	

## 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 our complete range contact our sales office or visit our website.










Specification	ThermaData WiFi - Thermocouple
Range - type K	-100 to 1372 °C
Range - type T	-100 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 9000 readings
Sample rate	0.1 to 255 minutes
Battery & life	2 x 1.5 volt AA - approximately 1 year
Display	12 mm LCD/2 LED's
Dimensions	29 x 72.5 x 96 mm
Weight	165 grams
FREE traceable certificate of calibration included	



General purpose probes (133-158)



Order code	Description
298-121	Model TD2TC - type K
298-721	Model TD2TC - type T
830-800	Magnetic mount
830-880	Protective boot - black
Exclusive of thermocouple probes	

		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 PTFE 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	
<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 PTFE insulated lead and connector. <ul style="list-style-type: none"> <li>• Probe temperature range -20 to 100 °C</li> </ul>	133-350	
<b>HEAVY DUTY PTFE WIRE PROBE</b>    Ø2.4 x 1000 or 2000 mm	This heavy duty, PTFE 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® LITE LOGGER

- LED display shows if limits are exceeded
- FREE software to download

The new ThermaData 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 logger is housed in a water resistant polyethylene case and incorporates two LED status indicators.

Supplied as a FREE download the ThermaData Studio software allows the user to programme the logging sample/interval rate (0.1 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 32-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 ( $\pm 3$  °C). For more information contact our sales office or visit our website.

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



**new**



MAX/  
MIN

2  
YEAR  
GUARANTEE  
MADE IN  
BRITAIN

Specification	ThermaData Lite
Range	-40 to 85 °C
Resolution	0.1 °C
Accuracy	$\pm 0.5$ °C
Memory	16000
Sample rate	0.1 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	

## STAINLESS STEEL THERMADATA® LOGGERS

- Integral USB interface for setup & download
- 5 probe options available

These stainless steel data-loggers are ideal for food and other applications where a high temperature data-logger is required. The ThermaData logger is housed in a waterproof, food grade 316 stainless steel case to protect the logger from corrosion, impact and moisture (IP66/67).

The ThermaData Studio software allows the user to programme the logging sample/interval rate and also incorporates a password protected calibration adjustment feature that allows the user to check the calibration of loggers and make minor adjustments.

Each logger is supplied with a two metre USB lead and FREE downloadable ThermaData Studio software.

Order code	Description
293-900	Stainless steel logger - without probe
293-930	Stainless steel logger - 50 mm probe
293-931	Stainless steel logger - 100 mm probe
293-932	Stainless steel logger - 150 mm probe
293-933	Stainless steel logger - 200 mm probe
Supplied with a two metre USB lead & FREE downloadable ThermaData Studio software	



MAX/  
MIN

IP66/  
IP67

2  
YEAR  
GUARANTEE  
MADE IN  
BRITAIN

Specification	Stainless Steel ThermaData Logger
Range	-20 to 105 °C
Resolution	0.5 °C
Accuracy	$\pm 1$ °C ( $\pm 0.5$ °C with calibration utility)
Memory	2048 temperature readings
Sample rate	1 minute to 255 minutes
Battery	3.6 volt 2/3 AA lithium
Battery life	Minimum 3 years
Dimensions	Ø22.5 x 129 mm (excluding probe)
Weight	170 grams - model dependant

# GOURMET THERMOMETER

- Water resistant with folding probe
- Accuracy of  $\pm 0.5^{\circ}\text{C}$

The Gourmet folding probe thermometer is an easy to use instrument, 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, penetration probe ( $\varnothing 3.5 \times 110 \text{ mm}$ ) that conveniently folds back into the side of the instrument when not in use. The housing includes Biomaster Antimicrobial Technology that reduces bacterial growth.

Available in six 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
810-736	Gourmet thermometer - brown
830-110	Protective wallet
832-002	Stainless steel wall bracket

Specification	Gourmet
Range	-39.9 to 149.9 $^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}/^{\circ}\text{F}$
Accuracy	$\pm 0.5^{\circ}\text{C}$ (-39.9 to 124.9 $^{\circ}\text{C}$ )
Battery	3 volt CR2032 lithium coin cell
Battery life	5000 hours
Sensor type	Thermistor
Display	16 mm LCD
Dimensions	20 x 52 x 155 mm
Weight	83 grams

# DISHTEMP® DISHWASHER THERMOMETER

- Simulates maximum plate surface temperatures
- 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  $^{\circ}\text{C}$  with a resolution of 0.1  $^{\circ}\text{C}/^{\circ}\text{F}$  and an accuracy of  $\pm 0.5^{\circ}\text{C}$ .

Incorporating a durable water-tight seal, the DishTemp thermometer is waterproof to IP66 and is supplied complete with a FREE traceable certificate of calibration.



IP66



CATERING

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

Specification	DishTemp
Range	0 to 90 $^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}/^{\circ}\text{F}$
Accuracy	$\pm 0.5^{\circ}\text{C}$
Battery	3 volt CR2032 lithium coin cell
Battery life	5000 hours
Display	Custom LCD
Dimensions	14 x $\varnothing 127 \text{ mm}$
Weight	120 grams
FREE traceable certificate of calibration included	

## MULTI-FUNCTION THERMOMETER

- Displays both temperature & alarm set temperatures
- Includes CalCheck 0.0 °C function

The Multi-Function is a compact and easy to use thermometer ideal for restaurants, bars and cafes as an economical solution for temperature measurement applications.

The thermometer features a display hold facility, max/min memory and a CalCheck 0.0 °C function together with an adjustable audible high/low temperature alarm. The Multi-Function thermometer housing and probe handle includes Biomaster Antimicrobial Technology that reduces bacterial growth.

Each unit is supplied with a stainless steel, food penetration probe (Ø3.5 x 125 mm) with one metre PVC connecting lead, pocket clip and probe cover.



### Order code Description

810-961	Multi-Function thermometer - white
810-964	Multi-Function thermometer - red
810-965	Multi-Function thermometer - blue



Specification	Multi-Function
Range	-49.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C (-19.9 to 149.9 °C)
Battery & life	1.5 volt AAA - 5000 hours
Sensor type	Thermistor
Display	Custom LCD
Dimensions	25 x 85 x 116 mm
Weight	98 grams

## ECOTEMP® THERMOMETER

- Detachable, stainless steel penetration probe
- Large, easy to read LCD display

The EcoTemp digital thermometer is ideal for monitoring cooking and food holding temperatures as part of HACCP and health and safety procedures.

This thermometer features a large, easy to read, LCD display with display hold and max/min memory functions. The instrument measures temperature over the range of -49.9 to 199.9 °C with a 0.1 °C/°F resolution. Both open circuit and low battery indication are displayed, when applicable.

The EcoTemp thermometer housing and probe handle includes Biomaster Antimicrobial Technology that reduces bacterial growth. Each unit is supplied with a detachable, stainless steel penetration probe (Ø3.5 x 125 mm) with a 700 mm silicone connecting lead.



### Order code Description

810-950	EcoTemp thermometer & probe
810-951	Replacement penetration probe
830-215	Protective silicone boot - white



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 - 10000 hours
Sensor type	Thermistor
Display	Custom 22 mm LCD
Dimensions	20 x 58 x 165 mm
Weight	115 grams



# THERMASTICK® THERMOMETER

- Reduced tip for faster response
- Waterproof to IP66

new

New for 2019, 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. An ideal economical solution for numerous temperature measurement applications.

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.

The ThermaStick is powered by a single lithium coin cell battery that gives a minimum of 5000 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	3 volt CR2032 lithium coin cell
Battery life	5000 hours
Sensor type	Thermistor
Display	12 mm LCD
Dimensions	Ø46 x 15 x 188 mm
Weight	28 grams

## SUPER-FAST MINI THERMOMETER

- Fast response probe, auto-on function
- Max/min memory & display hold

The Super-Fast Mini is a pocket-sized, water resistant IP65 thermometer that measures temperature over the range of -39.9 to 149.9 °C with a 0.1 °C/°F resolution. The instrument turns on automatically when the probe cover is removed, allowing for quick, easy temperature measurements.

The thermometer incorporates a fast response Ø2.5 x 73 mm stainless steel penetration probe with reduced tip and features a max/min and hold function.

Each unit is powered by a CR2032 lithium coin cell battery and supplied with a probe cover with integral pocket clip.



- Reduced tip for fast response

Order code	Description
810-279	Super-Fast Mini thermometer



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 CR2032 - 5000 hours
Sensor type	Thermistor
Display	8 mm LCD
Dimensions	Ø25 x 150 mm
Weight	20 grams

# POCKET-SIZED THERMOMETERS

## Pen-shaped thermometer

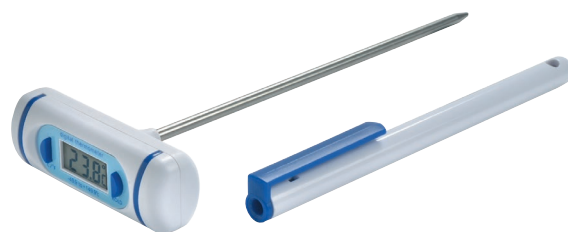


This pen-shaped thermometer measures temperature over the range of -49.9 to 149.9 °C, features a Ø3.5 x 120 mm stainless steel penetration probe and incorporates a °C/°F switch and display hold feature. Supplied with a probe cover that includes a pocket clip.

Specification	Pen-shaped
Range	-49.9 to 149.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C
Battery & life	1.5 volt LR44 - 5000 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

## 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
Battery & life	1.5 volt LR44 - 5000 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 thermometer



This waterproof 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.

Each unit is supplied with a protective probe cover that incorporates a pocket clip and wall-mounting keyhole slot.

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 - 5000 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 boot

## Waterproof T-Shaped thermometers



These waterproof, T-shaped thermometers offer IP66/67 protection and are housed in a robust, heavy duty 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 - 5000 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



# THERMAGUARD® HIGH ACCURACY THERMOMETERS

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

These high 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 ( $\pm 0.1$  °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. New for 2019 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
226-521	ThermaGuard 101 with UKAS Cert
226-512	ThermaGuard 102
226-522	ThermaGuard 102 with UKAS Cert
830-880	Protective silicone boot - black
830-800	Magnetic mount
UKAS certificate applies to remote probe(s) only	



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	$\pm 0.4$ °C
Battery	2 x 1.5 volt AA
Battery life	25000 hours (normal use, w/out alarm)
Sensor type	Thermistor
Display	Custom LCD
Dimensions	29 x 73 x 96 mm
Weight	165 grams
Optional UKAS certificate of calibration available	

## 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.

- 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	$\pm 1$ °C
Battery & life	1.5 volt AAA - 5000 hours
Display	Custom LCD
Dimensions	15 x 52 x 73 mm
Weight	55 grams

# FRIDGE OR FREEZER THERMOMETERS

## Ø52 mm dial thermometer

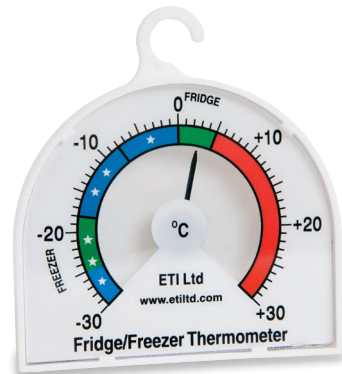


This easy to read fridge/freezer thermometer has a Ø52 mm dial that indicates temperature over the range of -30 to 30 °C in 1 °C divisions.

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

## FoodSafe fridge thermometer

Most traditional temperature measuring devices in fridges only measure the air temperature. This is a major problem because cold air is heavier than warm air and therefore 'drops out of the fridge' the moment the door is opened.

The FoodSafe food simulant thermometer on the other hand is an encased thermometer that ensures it indicates temperature similar to that of the food stored in the fridge or chill cabinet. Ideal for commercial use, as it is reliable, 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

## Ø50 mm dial thermometer



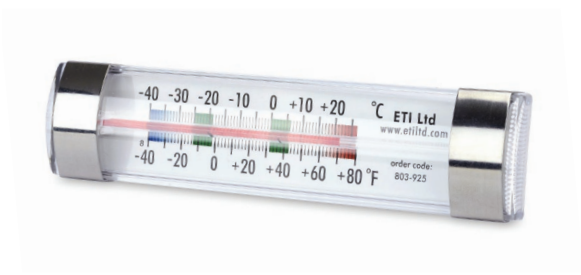
This stainless steel, fridge/freezer thermometer has a Ø50 mm dial that indicates temperature over the range of -30 to 30 °C in 1 °C divisions.

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

# SPIRIT-FILLED FRIDGE OR FREEZER THERMOMETERS

## Clear spirit-filled thermometer

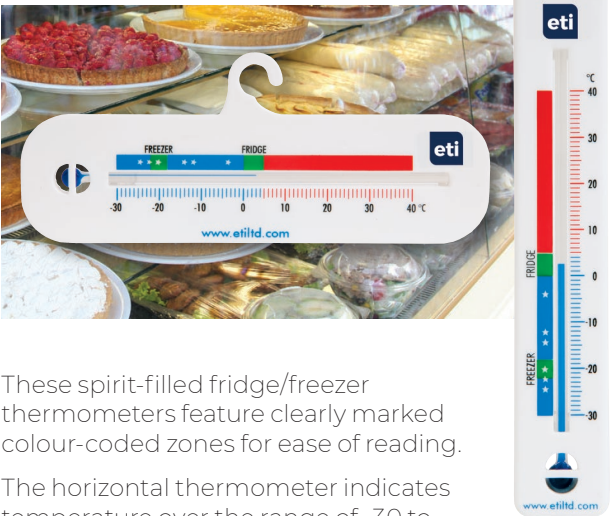


This spirit-filled fridge/freezer thermometer is encased in a clear ABS housing (20 x 30 x 122 mm). The thermometer's colour-coded zones indicate temperature over the range of -40 to 20 °C and -40 to 80 °F with a 1 °C resolution.

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

## 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

## Digital fridge/freezer thermometer



This max/min and alarm fridge/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 unit features a max/min memory function 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. Each thermometer incorporates a foot-stand for shelf mounting and is supplied with a suction pad/mounting bracket for the remote probe.

Order code	Description
810-225	Digital fridge or freezer

## Digital fridge thermometer



This water resistant fridge thermometer 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 indicates when the temperature is outside the range of 0 to 8 °C.

The 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 five years.

The unit is housed in an ABS case that measures 18 x 42 x 71 mm and can be free-standing or hung from a shelf.

Order code	Description
810-241	Digital fridge thermometer



# DIGITAL KITCHEN TIMERS

## Countdown/up timers



This new timer incorporates a loud 70 dB audible alarm and is fully programmable, allowing the user to set the time up to 99 minutes and 59 seconds.



The 806-105 timer incorporates a louder than average 80 dB audible alarm and is fully programmable, allowing the user to set the time up to 99 minutes and 59 seconds or 19 hours and 59 minutes.

Each timer 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. The essential tool for every kitchen.

Order code	Description
806-101	Countdown/up timer - min/sec
806-105	Countdown/up timer - hr/min/sec

## TimeStick® water resistant timer



The TimeStick is a handy-sized, portable timer with a water resistant numeric keypad. The countdown bar graph gives you a quick indicator of remaining time. When the countdown alarm sounds, the count up timer starts to show how much time has elapsed since setting the alarm.

The TimeStick also features a 12 or 24 hour format, keypad lock to prevent accidental key entry and is powered by a CR2032 battery.

Order code	Description
806-181	TimeStick timer - white
806-184	TimeStick timer - red
806-185	TimeStick timer - blue

## Water resistant countdown timer



This countdown timer offers water resistance to IP65 along with a large digital display and audible alarm with variable volume control, allowing the user to set up to a maximum volume of 95 decibels.

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 water resistant housing and variable volume control, allowing the user to set up to a maximum volume of 110 decibels - 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



## OVEN DIAL THERMOMETERS

### Ø50 mm dial oven thermometer



This stainless steel oven thermometer features a clear Ø50 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 50 to 300 °C in 10 °C divisions. The case measures 40 x 60 x 70 mm.

The unit 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.

Order code	Description
800-931	Ø50 mm dial oven thermometer

### Ø55 mm dial oven thermometer



This stainless steel oven thermometer features a clear Ø55 mm dial with colour-coded zones. The green marker indicates the minimum temperature that commercial hot food 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.

The 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.

Order code	Description
800-809	Ø55 mm dial oven thermometer

## OVEN/COOKING THERMOMETER & TIMER

- Programmable audible high alarm
- Robust, stainless steel oven probe

This combined countdown timer, thermometer and clock displays both the actual and the alarm set temperature over the range of 0 to 300 °C and simultaneously the countdown or the actual time.

The timer will count down or up from/to 23 hours, 59 minutes and 59 seconds and the real time clock will display the time in either a 12 or 24 hour format.

The unit features an audible high alarm that can be set from the simple to use seven-button keypad. The alarm temperature is continuously displayed. The unit is designed to sit on a worktop or can be attached to an appliance via the magnetic pads at the rear of the instrument.

The high temperature probe has an insertion length of 150 mm (Ø4 mm) and is supplied with a one metre stainless steel braided lead.

Order code	Description
810-060	Oven thermometer & timer
810-061	Replacement oven probe



Specification	Oven thermometer & timer
Range	0 to 300 °C
Resolution	1 °C/°F
Accuracy	±1 °C (0 to 130 °C)
Battery & life	2 x 1.5 volt AAA - 5000 hours
Sensor type	Thermistor
Display	Triple custom LCD
Dimensions	18 x 73 x 125 mm
Weight	128 grams

# DOT - DIGITAL OVEN THERMOMETER

- Programmable high alarm
- Simple two button operation

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.

Housed in a durable, water resistant case, the DOT is designed to either sit on a worktop using the fold out stand, or attach to an appliance using the magnetic pads at the rear of the instrument.





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.



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 - 5000 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

## DOT & CHEFALARM® NTC THERMISTOR PROBES

		Order code	
<b>PENETRATION PROBE</b>  Ø3 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 4 seconds</li> <li>● Probe temperature range -50 to 300 °C</li> </ul>	810-072	

Please note: the above probes incorporate a 2.5mm jack plug connector, suitable for use with the DOT and ChefAlarm thermometers only

# CHEFALARM® THERMOMETER & TIMER

- Interchangeable NTC thermistor 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.

Available in three colours, each unit is supplied in a zip wallet complete with a penetration probe (810-071) and probe holder clip. See opposite page for full probe specification.

Order code	Description
810-041	ChefAlarm - white
810-044	ChefAlarm - red
810-045	ChefAlarm - blue



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 - 5000 hours
Alarm volume	<92dB
Sensor type	Thermistor
Display	Custom LCD
Dimensions	19 x 70 x 152 mm
Weight	165 grams

## 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.



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.



# THERMOMETERS FOR MEAT, FRYING, SUGAR & JAM

## Meat dial thermometers



These bi-metal dial thermometers incorporate markers for beef, lamb, pork and poultry for quick and easy reading.

The 800-804 meat thermometer features a Ø45 mm dial with a Ø4 x 105 mm stainless steel, pointed probe and indicates temperature over the range of 0 to 120 °C in 1 °C divisions.

The 800-884 meat thermometer features a large Ø60 mm dial with a Ø5 x 102 mm stainless steel, pointed probe and indicates temperature over the range of 20 to 100 °C in 2 °C divisions.

Order code	Description
800-804	Ø45 mm meat dial thermometer
800-884	Ø60 mm meat dial thermometer

## Ø50 mm frying thermometer



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

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 mounting clip.

Order code	Description
800-805	Frying thermometer

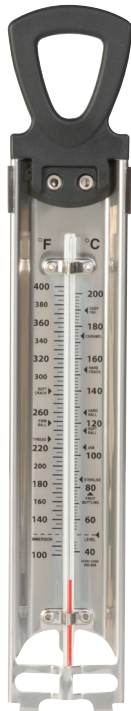
## Cook's stainless steel thermometer

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

The thermometer's stainless steel casing incorporates a retaining clip and measures 50 x 240 mm plus a 65 mm plastic handle.

Simply insert the thermometer into the liquid or food being measured and read the temperature.



Order code	Description
800-806	Cook's thermometer

## Sugar & jam brass 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 copper 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 thermometer



# LOG BOOK & ANTI-BACTERIAL WIPES

## Temperature log book



In commercial kitchens each fridge, freezer or cold cabinet should have its own temperature log/record book. The log book has a wipe clean cover and contains six months' supply of easy to use record sheets.

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

## Box of 100 single use Probe Wipes



These convenient, single use, white, anti-bacterial thermometer Probe Wipes are safe and easy to use.

Each wipe measures 60 x 30 mm and is designed for one-time use. These single use wipes are sold in a box of 100 sachets.

Order code	Description
836-220	Box of 100 single use Probe Wipes

## Mini tubs of 70 QAC free Probe Wipes



This mini tub is designed to fit into the user's pocket and incorporates an easy to dispense flip-top lid. The mini tub contains 70 blue QAC free, anti-bacterial Probe Wipes.

Each Probe Wipe measures 70 x 130 mm and is supplied in cartons of ten tubs.

Order code	Description
836-020	Carton x 10 mini tubs

## Tubs of 180 QAC free Probe Wipes



Wall bracket

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

# REFERENCE THERMAPEN® THERMOMETER



- High accuracy with 0.01 °C resolution
- 5-point UKAS Certificate of Calibration included

The Reference Thermapen thermometer is a high accuracy PT100 instrument that is supplied with a five-point UKAS Certificate of Calibration. Each certificate indicates deviations from standards at various check points: -18, 0, 40, 70 and 100 °C. Special points may be certified by arrangement with our UKAS calibration laboratory.

The Reference Thermapen thermometer is ideal for comparison checking of the accuracy of other thermometers and probes, when used in conjunction with a stable temperature heat or chill source.

The Reference Thermapen incorporates a stainless steel, penetration probe (Ø3.3 x 108 mm) that conveniently folds back through 180° into the side of the instrument when not in use.



Order code	Description
222-213	Reference Thermapen
830-260	Protective silicone boot
830-265	Silicone boot - glow in dark
830-110	Protective wallet
832-002	Stainless steel wall bracket
The Thermapen is supplied in a zip pouch (830-001)	

Specification	Reference Thermapen
Range	-69.99 to 199.99 °C
Resolution	0.01 °C
Accuracy	±0.07 °C (-30 to 149.99 °C) otherwise ±0.2 °C
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1000 hours
Sensor type	PT100
Display	12 mm LCD
Dimensions	19 x 47 x 153 mm
Weight	97 grams
UKAS Certificate of Calibration included	

## REFERENCE THERMOMETERS

- 5-point UKAS Certificate of Calibration included
- Supplied complete with high accuracy probe

The Reference thermometers are high accuracy PT100 instruments that are supplied with a five-point UKAS Certificate of Calibration. Each certificate indicates deviations from standards at various check points: -18, 0, 40, 70 and 100 °C. Special points may be certified by arrangement with our UKAS calibration laboratory.

Each unit features a simple on/off push button with open circuit 'Err' and low battery indication, when applicable. The Reference Plus thermometer incorporates the additional features of a max/min and hold function.

The Reference thermometers are supplied with a permanently attached, high accuracy probe with 1/10th DIN PT100 sensor. The probe measures Ø3.3 x 130 mm and is supplied with a one metre PVC lead.

Order code	Description
222-055	Reference
222-063	Reference Plus
830-221	Protective silicone boot - white
814-132	Comparator



Specification	Reference & Reference Plus
Range	-199.99 to 199.99 °C
Resolution	0.01 °C
Accuracy	±0.05 °C (-50 to 150 °C) ±0.1 °C (-150 to 200 °C)
Battery & life	3 x 1.5 volt AAA - 2000 hours
Sensor type	PT100 1/10 <sup>th</sup> DIN
Display	10 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	210 grams
UKAS Certificate of Calibration included	

## UKAS CALIBRATION

- Temperature range -100 to 200 °C
- Rapid turnaround - normally within 5 days
- Certified uncertainties (CMCs) from  $\pm 0.02$  °C
- 1 to 5-point UKAS Certificates

Our in-house UKAS accredited calibration laboratory for temperature has a wide measurement range of -100 to 200 °C with a calibration and measurement capability of 0.02 °C.



The laboratory can also measure resistance up to 16 M $\Omega$  (i.e. resistance decade boxes and PT100/RTD temperature simulators) and DC voltage 0 to 200 mV (i.e. thermocouple simulators and calibrators). Original UKAS Certificates provide proof that instruments and probes have been calibrated against nationally approved standards.

### ● Thermometers & Probes

Each UKAS Certificate indicates the deviations from standards at various check points, the standard being -18, 0, 40, 70 and 100 °C with a guaranteed uncertainty, dependant on the probe type. See calibration and measurement capability table below.

### ● Test caps & Simulators

Each UKAS Certificate indicates the deviations from standards at specific check points (-18, 0, 3, 70 and 100 °C) to an uncertainty of  $\pm 0.1$  °C (resistance) or  $\pm 0.15$  °C (thermocouple).

### ● Data-loggers

Each UKAS Certificate indicates the deviations from standards at three check points (-18, 0 and 40 °C) to an uncertainty of  $\pm 0.04$  °C.



Order code	UKAS Certificate - Temperature
890-200	Instrument only standard 5-point
890-210	Instrument & probe system 5-point
890-215	Checker 3-point
890-230	Test cap 1-point
890-235	Simulator 5-point
890-240	Data-logger 3-point

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