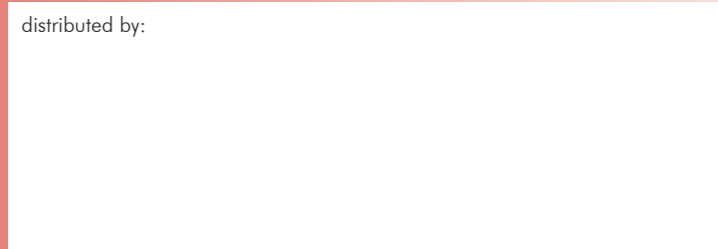# ETI

thermometers
for catering

2009

ETI

distributed by:

measurement that works

catering
thermometers

Selecting the correct thermometer for a food and catering application is, by definition, very important to achieve the maximum accuracy and repeatability of the temperature.

The selection criteria for a digital thermometer should include:
- measurement range
- resolution of the reading 1°C, 0.1°C or 0.01°C
- desired accuracy
- response time

ETI offers a range of catering thermometers and accessories that are ideal for busy restaurants, cafes, bars etc. where food safety is essential.
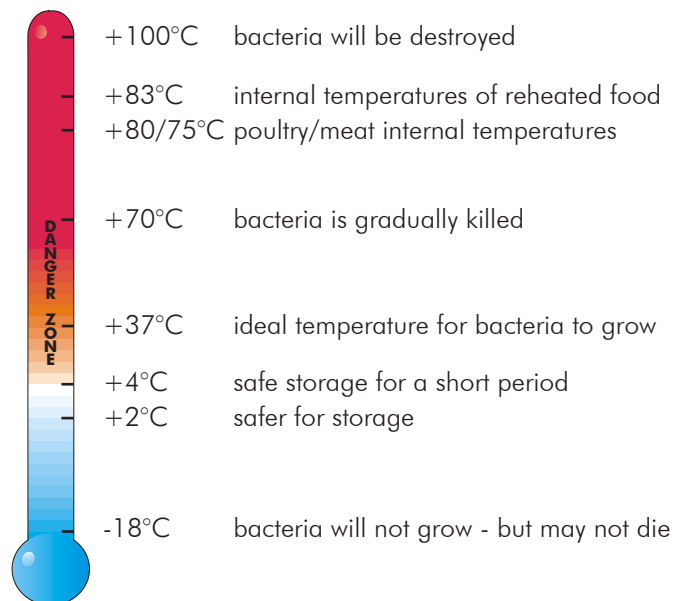
fridge & freezer temperatures
Keeping fridges and freezers at the correct temperature is critical to ensure good food safety during storage.

Food should be stored in a fridge at a minimum of +4°C but this is only safe for short periods. It is better to store food in a fridge at +2°C.

Food stored in a freezer should be regularly rotated and stored at between -18 and -22°C as bacteria will not grow at these temperatures.

safe food temperatures
To prevent food poisoning, it is essential to kill bacteria. Most bacteria are killed quickly at between +75 to +100°C. The danger zone is between +5 to +70°C where bacteria will grow rapidly. Therefore it is important when microwaving food that there are no cold spots in the food, likewise when reheating food or sauces that the food is reheated above +75°C.

Temperature	Description
+100°C	bacteria will be destroyed
+83°C	internal temperatures of reheated food
+80/75°C	poultry/meat internal temperatures
+70°C	bacteria is gradually killed
+37°C	ideal temperature for bacteria to grow
+4°C	safe storage for a short period
+2°C	safer for storage
-18°C	bacteria will not grow - but may not die

DANGER ZONE

All the above temperatures are a guideline only.

description   page nos.

ThermaCheck
thermistor thermometer

✓ high system accuracy ±0.4°C

✓ case includes Biomaster anti-bacterial additive

✓ temperature range -39.9 to +109.9°C

✓ supplied complete with a penetration probe

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

The ThermaCheck measures temperature over the range of -39.9 to +109.9°C with a resolution of 0.1°C and a high system accuracy of ±0.4°C (-10 to +70°C).

The ABS case includes "Biomaster" additive that reduces bacterial growth. The instrument features a large, easy to read, LCD display with open circuit and low battery indication. The ThermaCheck is powered by a 9 volt PP3 battery which gives the thermometer approximately 100 hours continuous use. The unit incorporates an auto-power off facility which maximises battery life, turning the instrument off automatically after five minutes.

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

optional accessories
The protective PVC boot helps to protect the instrument against accidental damage. The black acrylic wall bracket stores the instrument safely (screws not supplied).

specification	ThermaCheck
range	-39.9 to +109.9°C
resolution	0.1°C
accuracy	±0.4°C (-10 to +70°C)
battery	9 volt PP3
battery life	100 hours
sensor type	thermistor
display	12.7mm LCD
dimensions	36 x 80 x 147mm
weight	240 grams
a traceable certificate of calibration is included with each instrument	

Biomaster
ANTIMICROBIAL ADDITIVES

What is Biomaster? - Biomaster additives are powerful broad-spectrum inorganic, silver-based biocides for use in plastics, helping to reduce hygiene risks. The concentration of silver, in the patented anti-microbial active agent in Biomaster, provides a release of silver ions on demand, which in turn safely inhibits microbial growth.

order code	description
226-022	ThermaCheck thermometer
830-200	protective PVC boot
832-110	wall bracket

°C   AUTO OFF   HACCP COMPATIBLE

ETI

Food Check 2 & 5
thermometers

✓ two models available 0.1°C or 1°C resolution

✓ case includes Biomaster anti-bacterial additive

✓ designed for the professional caterer

✓ supplied complete with penetration probe

The Food Check digital thermometers are designed specifically for use in the food and catering industry. The Food Check thermometers are ideal for measuring the temperature quickly and accurately, when monitoring cooked and chilled foods as part of HACCP and health and safety procedures.

The ABS case includes "Biomaster" additive that reduces bacterial growth. The instrument features a large, easy to read, LCD display with open circuit and low battery indication. The thermometer incorporates a simple to use on/off switch and is powered by a 9 volt PP3 battery that gives 200 hours continuous use.

The Food Check 2 measures temperature over the range of -49.9 to +149.9°C with a resolution of 0.1°C and the Food Check 5 measures temperature over the range of -30 to +300°C with a resolution of 1°C.

Each Food Check thermometer is supplied with a permanently attached food penetration probe with 130mm pointed stainless steel stem and 500mm PVC connecting lead.

optional accessories
The protective PVC boot helps to protect the instrument against accidental damage. The black acrylic wall bracket stores the instrument safely (screws not supplied).

specification	Food Check 2	Food Check 5
range	-49.9 to +149.9°C	-30 to +300°C
resolution	0.1°C	1°C
accuracy	±0.5°C ±1%	±1°C ±1 digit
battery	9 volt PP3	
battery life	200 hours	
sensor type	K thermocouple	
display	12.7mm LCD	
dimensions	36 x 80 x 147mm	
weight	240 grams	
a traceable certificate of calibration is included with each instrument		

order code	description
221-009	Food Check 2 thermometer
221-008	Food Check 5 thermometer
830-200	protective PVC boot
832-110	wall bracket

Biomaster
ANTIMICROBIAL ADDITIVES

What is Biomaster? - Biomaster additives are powerful broad-spectrum inorganic, silver-based biocides for use in plastics, helping to reduce hygiene risks. The concentration of silver, in the patented anti-microbial active agent in Biomaster, provides a release of silver ions on demand, which in turn safely inhibits microbial growth.

Thermapen™ 1 & 5
thermometers

✓ one-handed operation

✓ lightweight, compact & easy to use

✓ foldaway stainless steel probe

✓ auto-power on/off facility

The Thermapen thermometers are designed for reliability and ease of use. The thermometers incorporate a clear digital display with a precise read-out of temperature over the range of -49.9 to +199.9°C or -50 to +300°C and a 0.1°C or 1°C resolution. Both low battery and open circuit indication are also displayed, when applicable.

The Thermapen is lightweight, at less than 100 grams including battery and probe. The casing is manufactured from high impact ABS plastic designed to cope with routine day-to-day applications. The Thermapen thermometers incorporate a stainless steel penetration probe that conveniently folds back through 180 degrees into the side of the instrument when not in use, turning the instrument off. An auto-power on/off facility turns the instrument on when the probe is in use and automatically off after five minutes, maximising battery life.

specification	Thermapen 1	Thermapen 5
range	-49.9 to +199.9°C	-50 to +300°C
resolution	0.1°C	1°C
accuracy	±0.4°C ±1 digit	±1% ±1 digit
battery	12 volt MN21	
battery life	100 hours	
sensor type	K thermocouple	
display	12.7mm LCD	
dimensions	19 x 47 x 153mm	
weight	97 grams	
a traceable certificate of calibration is included with each instrument		

order code	description
211-101	Thermapen 1 (0.1°C) - white
211-201	Thermapen 1 (0.1°C) - yellow
211-301	Thermapen 1 (0.1°C) - green
211-401	Thermapen 1 (0.1°C) - red
211-501	Thermapen 1 (0.1°C) - blue
211-601	Thermapen 1 (0.1°C) - brown
211-105	Thermapen 5 (1°C) - white
211-205	Thermapen 5 (1°C) - yellow
211-305	Thermapen 5 (1°C) - green
211-405	Thermapen 5 (1°C) - red
211-505	Thermapen 5 (1°C) - blue
211-605	Thermapen 5 (1°C) - brown
830-110	protective wallet
830-001	zip pouch
832-200	wall bracket

colour-coded cases

The Thermapen 1 and 5 pocket-sized thermometers are available in a variety of colours. The colour-coded Thermapens can be part of your HACCP and due diligence procedures, being used for different food types or preparation areas, reducing the risk of cross-contamination.

|		
○ white	bakery/dairy products
● yellow	cooked meats
● green	salad/fruit products
● red	raw meat
● blue	raw fish
● brown	vegetable products

ETI

Thermapen™ 1 & 5
fast response thermometers

✓ guaranteed to reach the temperature in just four seconds

✓ over 50% faster response than traditional probes

✓ two models 0.1°C or 1°C resolution

✓ one-handed operation

The Fast Response (FR) Thermapen pocket thermometers are 'probably' the fastest reading contact thermometers on the market today. The true temperature of a product can be tested by the FR Thermapen in just four seconds.

The response time of any thermometer is dependant on many factors, the mass of the sensing tip, heat transfer and, most importantly, the state of the substance being measured. With both air and liquid, agitation is crucial to rapid response. The ETI calibration laboratory has tested the FR Thermapen in a stirred water bath with amazing results. Each FR Thermapen reached 100% of the test temperature in four seconds.
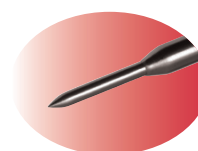
The FR Thermapen incorporates a clear digital display with a precise read-out of temperature over the range of -49.9 to +199.9°C or -50 to +300°C with a 0.1°C or 1°C resolution. Both low battery and open circuit indication are also displayed, when applicable. The Thermapen is powered by a 12 volt MN21 alkaline battery with a minimum life expectancy of 100 hours and is supplied with a detachable wrist strap, battery and instruction card.

optional Thermapen accessories
The protective wallet and zip pouch (pictured left), both with belt loops, help to protect instruments against accidental damage.

The black acrylic wall bracket (pictured right) stores the instrument safely (screws not supplied).

specification	FR Thermapen 1	FR Thermapen 5
range	-49.9 to +199.9°C	-50 to +300°C
resolution	0.1°C	1°C
accuracy	±0.4°C ±1 digit	±1% ±1 digit
battery	12 volt MN21	
battery life	100 hours	
sensor type	K thermocouple	
display	12.7mm LCD	
dimensions	19 x 47 x 153mm	
weight	97 grams	
a traceable certificate of calibration is included with each instrument		

order code	description
211-571	FR Thermapen 1
211-575	FR Thermapen 5
830-110	protective wallet
830-001	zip pouch
832-200	wall bracket

°C   AUTO OFF   HACCP COMPATIBLE

ETI

CaterTemp™ 2 & 5
thermometers

✓ two models available 0.1°C or 1°C resolution

✓ proven electronic circuitry & durability

✓ designed for the professional caterer

✓ supplied complete with penetration probe

The CaterTemp 2 and 5 professional digital thermometers are designed with the catering and food processing industry in mind. Housed in a robust ABS case, the CaterTemp thermometers are a combination of proven circuitry and durability.

The CaterTemp 2 measures temperature over the range of -49.9 to +199.9°C with a resolution of 0.1°C and the CaterTemp 5 over the range of -50 to +300°C with a resolution of 1°C.

Both instruments feature a bright, easy to read LCD, displaying open circuit and low battery indication, when applicable. The CaterTemp thermometers are powered by a 9 volt PP3 battery which gives the thermometers approximately 200 hours continuous use.

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

optional accessories
The protective PVC boot helps to protect instruments against accidental damage. The black acrylic wall bracket stores the instrument safely (screws not supplied).

specification	CaterTemp 2	CaterTemp 5
range	-49.9 to +199.9°C	-50 to +300°C
resolution	0.1°C	1°C
accuracy	±0.5°C ±1%	±1°C ±1 digit
battery	9 volt PP3	
battery life	200 hours	
sensor type	K thermocouple	
display	12.7mm LCD	
dimensions	36 x 80 x 147mm	
weight	240 grams	
a traceable certificate of calibration is included with each instrument		

order code	description
221-006	CaterTemp 2 thermometer
221-007	CaterTemp 5 thermometer
830-200	protective PVC boot
832-110	wall bracket

CaterTemp™ Plus
waterproof thermometers

✓ waterproof case offering IP66/67 protection

✓ extruded aluminium case for superior durability

✓ rubber bumper seals for impact resistance

✓ supplied complete with food penetration probe

The CaterTemp Plus hand held thermometer is housed in a robust extruded aluminium waterproof case offering IP66/67 protection. The instrument incorporates the latest microprocessor technology with improved durability, designed for reliability and ease of use in day-to-day catering and food processing applications.

The CaterTemp Plus thermometer measures temperature over the range of -49.9 to +299.9°C with a 0.1°C resolution. The instrument features a large, easy to read, LCD display with open circuit and low battery indication. The unit is powered by a 9 volt PP3 battery which gives the thermometer approximately 5,000 hours continuous use.

The on/off button is conveniently located at the front of the instrument as is the display hold facility. The CaterTemp Plus thermometer incorporates a secure battery compartment with a waterproof cover.

Each CaterTemp Plus thermometer is supplied with a permanently attached, water resistant, hand held, food penetration probe with a ⌀3.3 x 130mm stainless steel stem and one metre PU coiled lead. The probe is both strong and versatile and suitable for a variety of applications including liquids, semi-solids and granular materials.

colour-coded rubber bumper seals
The CaterTemp Plus thermometers are available with colour-coded rubber bumper seals, black, yellow, green, red or blue. The colour-coded seals help avoid cross-contamination.

optional accessories
The protective PVC boot helps to protect the instrument against accidental damage.

The wall bracket stores the instrument safely (screws not supplied).

specification	CaterTemp Plus
range	-49.9 to +299.9°C
resolution	0.1°C
accuracy	±0.4°C ±1 digit
battery & battery life	9 volt PP3 alkaline - 5,000 hours
sensor type	K thermocouple
display	12mm LCD
dimensions	35 x 60 x 115mm
weight	244 grams
a traceable certificate of calibration is included with each instrument	

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
832-150	wall bracket

°C   HOLD   AUTO OFF

IP66/67   HACCP COMPATIBLE

Thermamite™ 1 & 5
thermometers

✓ compact & robust design

✓ two models 0.1°C or 1°C resolution

✓ accuracy, flexibility & ease of use

✓ range -49.9 to +199.9°C or -30 to +300°C

The Thermamite thermometers offer 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.

Both the Thermamite 1 and 5 incorporate a clear LCD display with a precise read-out of temperature over the range of -49.9 to +199.9°C or -30 to +300°C and a 0.1°C or 1°C resolution. Low battery and open circuit indication are also displayed, when applicable.

Both instruments are powered by a 9 volt PP3 battery with a minimum life expectancy of up to 500 hours. Each thermometer is supplied with a permanently attached rigid pointed, stainless steel food penetration probe (Ø3.3 x 108mm) and 500mm connecting lead, battery and instruction card.

optional accessories
This protective PVC boot incorporates a worktop stand and probe holder. The boot helps to protect the instrument against accidental damage. The black acrylic wall bracket stores the instrument and probe safely (screws not supplied).

specification	Thermamite 1	Thermamite 5
range	-49.9 to +199.9°C	-30 to +300°C
resolution	0.1°C	1°C
accuracy	±0.5°C ±1 digit	±1°C ±1 digit
sensor type	PT100	K thermocouple
battery	9 volt PP3	
battery life	500 hours	
display	12.7mm LCD	
dimensions	25 x 68 x 121mm	
weight	140 grams	
a traceable certificate of calibration is included with each instrument		

order code	description
262-051	Thermamite 1 (0.1°C) - blue
262-151	Thermamite 1 (0.1°C) - white
262-251	Thermamite 1 (0.1°C) - yellow
262-351	Thermamite 1 (0.1°C) - green
262-451	Thermamite 1 (0.1°C) - red
262-651	Thermamite 1 (0.1°C) - brown
261-055	Thermamite 5 (1°C) - blue
261-155	Thermamite 5 (1°C) - white
261-255	Thermamite 5 (1°C) - yellow
261-355	Thermamite 5 (1°C) - green
261-455	Thermamite 5 (1°C) - red
261-655	Thermamite 5 (1°C) - brown
830-230	protective PVC boot
832-120	wall bracket
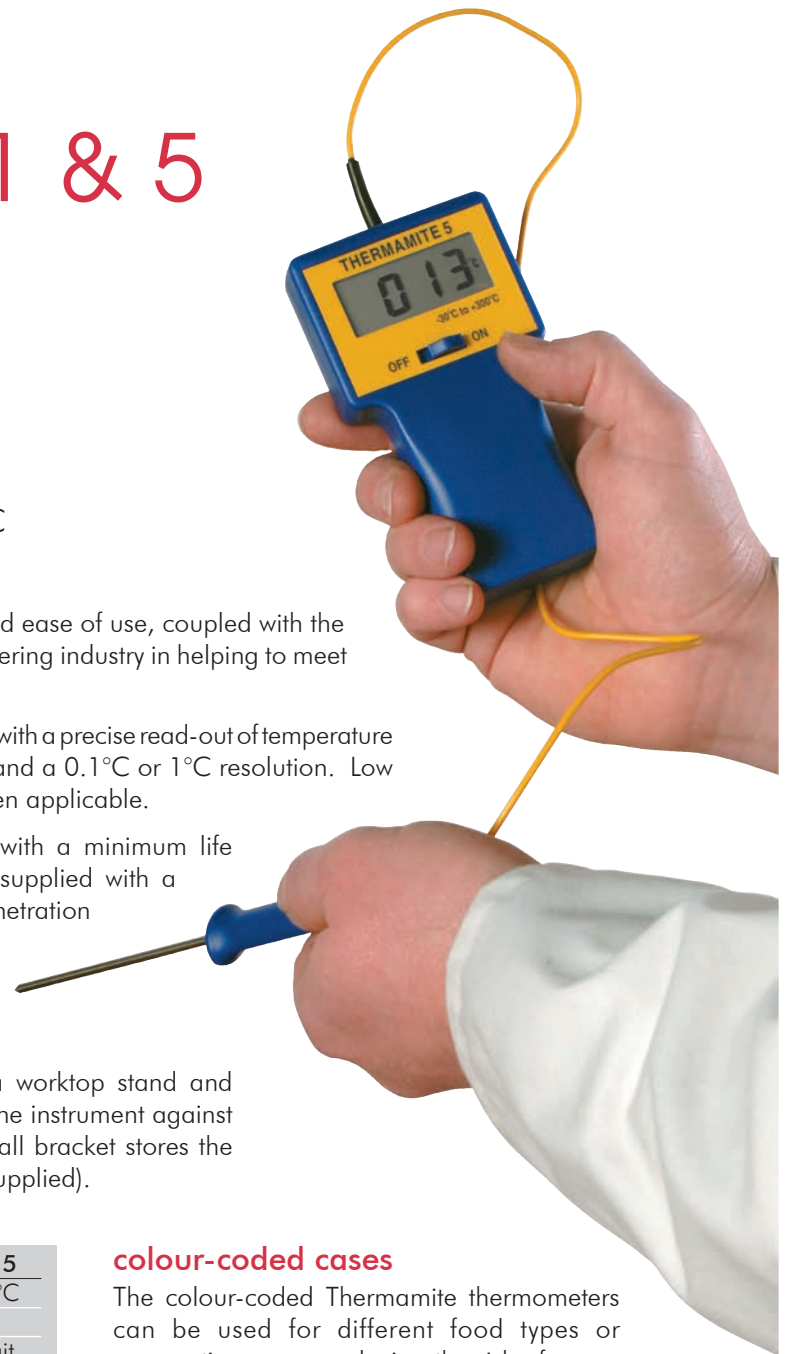
colour-coded cases
The colour-coded Thermamite thermometers can be used for different food types or preparation areas, reducing the risk of cross-contamination.

°C

Thermamite™ 601
thermometer kit

✓ no wasted time waiting for temperature to stabilise

✓ temperature range -49.9 to +199.9°C

✓ option to use several remote probes

✓ takes both product & storage temperatures

The Thermamite 601 thermometer measures temperature over the range of -49.9 to +199.9°C with a 0.1°C resolution. Both low battery and open circuit indication are displayed, when applicable. The Thermamite 601 has the same specification as the Thermamite 1 thermometer (see opposite) with the added benefit of a detachable probe.

The Thermamite 601 thermometer is supplied as a kit and is the ideal solution for taking both product and storage temperatures. By utilising a number of remote probes it is possible to simply and quickly collect temperature measurements from a large number of remote probes strategically positioned in food storage appliances.

supplied as a complete kit
The Thermamite 601 thermometer kit contains a Thermamite 601 thermometer and two probes, a food penetration probe (Ø3.3 x 108mm) and a remote probe with self-adhesive attachment pads and compatible socket (additional remote probes can be purchased). Each probe is supplied with an integral 500mm connecting lead. Each kit is housed in a protective ABS carrying case and includes a temperature log book, a tub of 70 anti-bacterial probe wipes and a traceable certificate of calibration.

fridge/freezer remote probe
The remote probe and socket can be attached to each fridge/freezer or display cabinet using the self-adhesive pads provided, the remote probe being placed inside the appliance. When the temperature needs to be checked, simply plug the Thermamite 601 into the remote socket for an instant display of the temperature. No time is wasted waiting for the temperature to stabilise, therefore a number of chill cabinets and fridges can be monitored in minutes.

specification	Thermamite 601 kit
range	-49.9 to +199.9°C
resolution	0.1°C
accuracy	±0.5°C ±1 digit
battery & battery life	9 volt PP3 - 500 hours
sensor type	PT100
display	12.7mm LCD
dimensions	25 x 68 x 121mm
weight	140 grams
a traceable certificate of calibration is included with each kit	

order code	description
860-601	Thermamite 601 thermometer kit
160-987	additional remote probe
	the Thermamite kit includes two probes

°C   HACCP COMPATIBLE

Therma 20
thermistor thermometer

✓ temperature range -39.9 to +109.9°C

✓ wide range of interchangeable probes

✓ high system accuracy ±0.4°C

✓ case includes Biomaster anti-bacterial additive

The Therma 20 hand held thermistor thermometer has been specifically designed for use in the food processing and catering industries with HACCP, due diligence and health and safety procedures in mind.

The instrument displays temperature to 0.1°C over the range of -39.9 to +109.9°C with a high system accuracy of ±0.4°C. The Therma 20 features a large, easy to read, LCD display with open circuit and low battery indication.

The ABS case includes "Biomaster" additive that reduces bacterial growth. The instrument incorporates an auto-power off facility that maximises battery life, turning the instrument off automatically after five minutes. The instrument is housed in a robust ABS case.

The Therma 20 thermometer incorporates an easy to use Lumberg screw-locking type connector, allowing a wide range of interchangeable probes to be used. ETI offers an extensive range of interchangeable thermistor probes, see opposite.

optional accessories
The protective PVC boot helps to protect the instrument against accidental damage. The black acrylic wall bracket stores the instrument safely (screws not supplied).

specification	Therma 20
range	-39.9 to +109.9°C
resolution	0.1°C
accuracy	±0.4°C (-10 to +70°C)
battery	9 volt PP3
battery life	100 hours
sensor type	thermistor
display	12.7mm LCD
dimensions	36 x 80 x 147mm
weight	210 grams
a traceable certificate of calibration is included with each instrument	
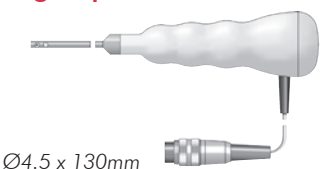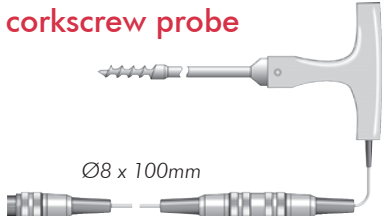
order code	description
226-020	Therma 20 thermometer
830-200	protective PVC boot
832-110	wall bracket
the Therma 20 is exclusive of probe	

Biomaster
ANTIMICROBIAL ADDITIVES

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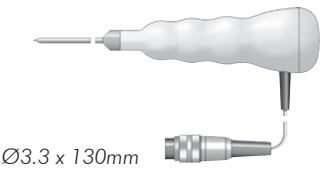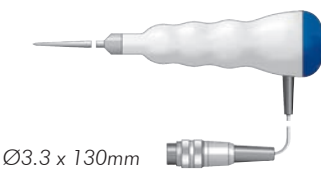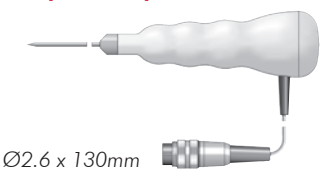
°C   AUTO OFF   IP65

HACCP COMPATIBLE

ETI

NTC thermistor probes
for use with the Therma 20 thermometer

		order code	
penetration probe *Ø3.3 x 130mm*	This stainless steel penetration probe is versatile and strong and incorporates a heavy duty, ribbed, polypropylene handle with a white end cap. Ideal for many temperature measurement applications including liquids, semi-solids and granular materials. Response time less than two seconds. Maximum probe temperature +110°C.	174-166	
penetration probe *Ø3.3 x 130mm*	The above penetration probe is also available with colour-coded end caps. Maximum probe temperature +110°C. ● blue cap ● brown cap ● green cap ● red cap ● yellow cap	174-162 174-163 174-164 174-165 174-167	
fast response probe *Ø2.6 x 130mm*	This stainless steel, fast response, needle penetration probe incorporates a heavy duty ribbed, polypropylene handle. The probe is suitable for liquids and soft semi-solid materials including fish, fruit and other soft or delicate materials. Response time less than one second. Maximum probe temperature +110°C.	174-100	
air or gas wire probe *Ø3.7 x 30mm with 1000mm FEP lead*	This fast response, flexible, air or gas wire probe is ideal for measuring air temperatures in fridges, freezers, chill cabinets and similar. The air or gas probe is supplied with a one metre FEP lead. Response time less than one second. Maximum probe temperature +110°C.	170-372	
air or gas probe *Ø4.5 x 130mm*	This stainless steel, fast response, hand held air or gas probe incorporates a heavy duty ribbed, polypropylene handle. The probe is ideal for measuring air temperatures in refrigeration units, storage areas and other similar applications. Response time less than two seconds. Maximum probe temperature +110°C.	174-300	
foil between pack probe *40 x 50mm with 1000mm FEP lead*	This easy to use, flexible, fast response, foil between pack probe has been specifically designed to measure temperature between packs or boxes of produce in a variety of applications. Response time less than three seconds. Maximum probe temperature +110°C.	170-090	
corkscrew probe *Ø8 x 100mm*	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. The probe is supplied with a one metre PVC detachable lead. Response time less than six seconds. Maximum probe temperature +110°C.	170-175	

ETI

2000 series
thermometers

✓ three models 0.1/1°C, 0.1°C or 1°C resolution

✓ range -49.9 to +1000°C

✓ versatile thermometers

✓ front-mounted thermocouple probe socket

The 2000 series of hand held digital thermometers measures temperature over the range of -49.9 to +1000°C with a 0.1°C or 1°C resolution.

The 2001 measures temperature over the range of -50 to +1000°C with a resolution of either 0.1°C or 1°C. The 2002 measures temperature with a resolution of 0.1°C over the entire measurement range of -49.9 to +199.9°C and the 2003 measures temperature with a resolution of 1°C over the entire range of -50 to +1000°C.

The thermometers feature an easy to read, LCD display with °C, hold, open circuit and low battery indication. Each unit incorporates an auto-power off facility that automatically turns the instrument off after approximately three minutes, maximising battery life. Conveniently located is the front mounted thermocouple probe socket that allows a wide range of interchangeable thermocouple type K probes to be connected to the instrument. For full details of the thermocouple type K probes available, see opposite.

optional accessories
The protective PVC boot helps to protect the instrument against accidental damage. The clear polycarbonate wall bracket stores the instrument safely (screws not supplied).

specification	2001	2002	2003
range 0.1°C	-49.9 to +199.9°C	-49.9 to +199.9°C	n/a
range 1°C	-50 to +1000°C	n/a	-50 to +1000°C
resolution	0.1°C & 1°C	0.1°C	1°C
accuracy 0.1°C	±0.5°C ±1%	±0.5°C ±1%	n/a
accuracy 1°C	±1°C ±0.5%	n/a	±1°C ±0.5%
battery life	150 hours	175 hours	175 hours
battery		9 volt PP3	
sensor type		K thermocouple	
display		12.7mm LCD	
dimensions		35 x 73 x 141mm	
weight	220 grams	210 grams	210 grams
	a traceable certificate of calibration is included with each instrument		
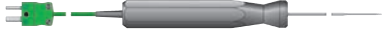
order code	description
221-201	2001 thermometer
221-022	2002 thermometer
221-033	2003 thermometer
830-205	protective PVC boot
832-115	wall bracket
	the 2000 series is exclusive of probe

°C   HOLD   AUTO OFF

HACCP COMPATIBLE

hand held probes
thermocouple type K

		T/C	order code	
penetration probe *Ø3.3 x 130mm*	This stainless steel penetration probe is strong and versatile. Ideal for measuring a wide variety of applications including liquids and semi-solids. Response time less than three seconds. Maximum probe temperature +250°C.	K	123-160	
penetration probe *Ø3.3 x 300mm*	This extended, stainless steel, penetration probe is versatile. Ideal for measuring a wide variety of applications including liquids and semi-solids. Response time less than three seconds. Maximum probe temperature +250°C.	K	123-168	
fast response probe *Ø3.3 x 100mm*	This reduced tip, fast response, stainless steel, penetration probe is ideal for liquids or semi-solids i.e. delicate foods, soft rubber and other similar materials. Response time less than two seconds. Maximum probe temperature +250°C.	K	123-159	
oven probe *Ø3.3 x 130mm*	This oven probe has a stainless steel handle and a two metre PTFE high temperature lead. An oven probe without a handle is available, order code 133-173. Response time less than four seconds. Maximum probe temperature +250°C.	K	133-170	
air or gas probe *Ø4.5 x 130mm*	This stainless steel, fast response air/gas probe is ideal for measuring air temperature in chill cabinets, fridges, freezers, offices, storage areas and similar. Response time less than 0.5 of a second. Maximum probe temperature +250°C.	K	123-300	
ribbon surface probe *Ø15 x 130mm*	This precision straight ribbon surface probe utilises flat ribbon technology that ensures a fast, accurate response with minimal heat loss. Response time less than 0.5 of a second. Maximum probe temperature +250°C.	K	123-030	
rigid between pack probe *Ø4.5 x 130mm*	This rigid, stainless steel, between pack probe is strong and versatile, designed specifically to measure between packets or boxes of produce. Response time less than three seconds. Maximum probe temperature +250°C.	K	123-060	
PTFE wire probe *Ø1.5 x 1000mm*	This PTFE insulated exposed junction wire probe is suitable for measuring the air temperature in fridges, freezers, concrete etc. Response time less than 0.5 of a second. Maximum probe temperature +250°C.	K	133-362	
fibreglass wire probe *Ø1.5 x 1000mm*	This fibreglass exposed junction wire probe is ideal for measuring the air temperature of ovens, hot cupboards and similar appliances. Response time less than 0.5 of a second. Maximum probe temperature +350°C.	K	133-382	

MiniTherma™ K kit
thermocouple thermometer

✓ interchangeable type K thermocouple probes

✓ water resistant offering IP65 protection

The MiniTherma K thermometer is designed for versatility and ease of use. The instrument accepts a miniature type K thermocouple plug that enables a variety of interchangeable probes to be used. The thermometer incorporates a clear digital display with a precise read-out of temperature over the range of -59.9 to +1399°C with a 0.1°C resolution between -59.9 to +199.9°C thereafter 1°C.

The unit features a display hold function and both low battery and open circuit indication are also displayed, when applicable. An auto-power off facility turns the instrument off after four minutes, maximising battery life.

The MiniTherma K is lightweight, at less than 40 grams. The case is manufactured from high impact ABS plastic designed to cope with routine day-to-day applications. Each MiniTherma K is supplied as a kit with a penetration probe (133-161) and battery, all in a protective PVC zip wallet.

specification	MiniTherma K
range	-59.9 to +1399°C
resolution	0.1°C (1°C above +199.9°C)
accuracy	±1% or ±1°C over the full range
battery	3 volt CR2032 lithium coin cell
battery life	100 hours
sensor type	K thermocouple
display	custom LCD
dimensions	19 x 40 x 76mm
weight	36 grams

order code	description
810-990	MiniTherma K kit

°C HOLD AUTO OFF IP65 HACCP

plug-mounted probes
These plug-mounted probes are mounted directly into miniature type K thermocouple plugs. This provides an economical solution to many temperature measuring applications and allows the option of one-handed operation.

		order code	
penetration probe Ø3.3 x 120mm	This plug-mounted, stainless steel, penetration probe is strong and versatile. Ideal for a variety of applications i.e. liquids or semi-solids. Response time less than three seconds. Maximum tip temperature +250°C.	133-161	
fast response probe Ø1mm tip x 90mm	This plug-mounted, fast-response, penetration probe is designed for measuring the temperature of soft substances and liquids. Response time less than one second. Maximum tip temperature +250°C.	133-151	
air or gas probe Ø3.3 x 120mm	This plug-mounted air/gas probe has a perforated stainless steel tip for fast response. Ideal for measuring the temperature of air conditioning. Response time less than one second. Maximum tip temperature +250°C.	133-301	
ribbon surface probe Ø8 x 120mm	This plug-mounted stainless steel surface probe is ideal for measuring metallic surfaces. A right-angled version is also available, order code 133-046. Response time less than one second. Maximum tip temperature +250°C.	133-045	
FEP (plastic) probe Ø3.2 x 40mm	This FEP (plastic) penetration probe, for measuring food temperatures, was originally designed for airlines where safety is paramount. Response time less than three seconds. Maximum tip temperature +250°C.	133-155	

catering
thermometer kits

✓ choice of 0.1°C or 1°C resolution

✓ value-for-money - FREE log book, Probe-Wipes & carrying case

These thermometer and probe kits are designed for the food and catering industry. For a full specification on each thermometer see pages 12 and 14. Each kit is supplied in a useful ABS carrying case with a temperature log book, a tub of 70 Probe-Wipes, battery and a traceable certificate of calibration.

ETI 2001 catering kit 0.1°C or 1°C
Each kit contains

1 x 221-201   ETI 2001 thermometer
1 x 123-160   penetration probe
1 x 133-362   PTFE wire probe
1 x 831-100   temperature log book
1 x 836-022   mini tub of 70 Probe-Wipes
1 x 839-040   9 volt PP3 battery
1 x 834-100   ABS carrying case

order code	description
860-015	2001 thermometer kit
	a traceable certificate of calibration is included

ETI 2003 catering kit 1°C
Each kit contains

1 x 221-033   ETI 2003 thermometer
1 x 123-160   penetration probe
1 x 133-362   PTFE wire probe
1 x 831-100   temperature log book
1 x 836-022   mini tub of 70 Probe-Wipes
1 x 839-040   9 volt PP3 battery
1 x 834-100   ABS carrying case

order code	description
860-025	2003 thermometer kit
	a traceable certificate of calibration is included

Therma 20 catering kit 0.1°C
Each kit contains

1 x 226-020   Therma 20 thermometer
1 x 174-166   penetration probe
1 x 170-372   air wire probe
1 x 831-100   temperature log book
1 x 836-022   mini tub of 70 Probe-Wipes
1 x 839-040   9 volt PP3 battery
1 x 834-100   ABS carrying case

order code	description
860-120	Therma 20 thermometer kit
	a traceable certificate of calibration is included

ThermaData™ logger
recording thermometers

✓ waterproof housing offering IP66/67 protection

✓ meets EN 12830, S & T , C & D, 1

✓ range -40 to +85°C or +125°C

✓ resolution 0.1°C, high accuracy ±0.5°C

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

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

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

ThermaData logger Mk II software
The ThermaData logger is connected to a PC via a USB cradle. By clicking 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, storing to disc or exporting as a text (.txt) file to other software packages.

The ThermaData logger 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. There are also options for customers requiring alternative languages.

The ThermaData logger software is backward compatible, therefore will work equally as well with the older style ThermaData loggers as well as the new mk II models. 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) 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 logger software is supplied with each USB cradle. Please note: when initially ordering loggers it is necessary to order at least one ThermaData logger cradle.

°C/°F   IP66/67

ETI

ThermaData logger - model TB

blind with an internal sensor

specification	model TB
range	-40 to +85°C
resolution	0.1°C
accuracy	±0.5°C
memory	4000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	2 LEDs
dimensions	Ø76 x 23mm
weight	82 grams

order code	description
295-001	model TB

ThermaData logger - model TBF

blind logger with an external fixed sensor

specification	model TBF
range	-40 to +125°C
resolution	0.1°C
accuracy	±0.5°C
memory	4000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	2 LEDs
dimensions	Ø76 x 23mm
weight	93 grams

order code	description
295-101	model TBF

ThermaData logger - model TB1F

blind with an internal & external fixed sensor

specification	model TB1F
range	-40 to +85/125°C
resolution	0.1°C
accuracy	±0.5°C
memory	2 x 2000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	2 LEDs
dimensions	Ø76 x 23mm
weight	94 grams

order code	description
295-011	model TB1F

USB cradle, software & start magnet

The ThermaData logger cradle is supplied complete with the ThermaData logger PC software and a start magnet.

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

order code	description
293-804	cradle, software & start magnet

ThermaData logger - model TD

LCD with an internal sensor

specification	model TD
range	-30 to +85°C
resolution	0.1°C
accuracy	±0.5°C
memory	4000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	10mm LCD/2 LEDs
dimensions	Ø76 x 23mm
weight	91 grams

order code	description
296-001	model TD

ThermaData logger - model TDF

LCD with an external fixed sensor

specification	model TDF
range	-40 to +125°C
resolution	0.1°C
accuracy	±0.5°C
memory	4000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	10mm LCD/2 LEDs
dimensions	Ø76 x 23mm
weight	102 grams

order code	description
296-101	model TDF

ThermaData logger - model TD1F

LCD with an internal & external fixed sensor

specification	model TD1F
range	-30 to +85/125°C
resolution	0.1°C
accuracy	±0.5°C
memory	2 x 2000 readings
sample rate	0.1 to 255 minutes
battery	3.6 volt ½ AA lithium
battery life	18 months
display	10mm LCD/2 LEDs
dimensions	Ø76 x 23mm
weight	103 grams

order code	description
296-011	model TD1F

ThermaData logger accessories

An optional protective silicone boot is available for the ThermaData loggers.

The ThermaData loggers are supplied with white seals but customers can purchase coloured seals, available in packs of seven colours: black, blue, brown, green, red, white and yellow.

order code	description
296-990	pack of seven coloured seals
830-270	protective silicone boot

ThermaData™ logger
blind recording thermometers

✓ blind recording thermometer & data-logger

✓ visual display of high & low alarm status

✓ range -40 to +85°C

✓ simple visual inspection shows if limits exceeded

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

The ThermaData logger software allows the user to programme the logging sample/interval rate (1 to 255 minutes), the real-time clock, °C or °F, delayed start (maximum 23 hours, 59 minutes) or push-button start and a 12-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 in 0.5°C increments (maximum ±3°C).

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

ThermaData PC software
The ThermaData logger is connected to a PC via a serial or USB port lead. By clicking on the relevant icon the data can be downloaded and displayed either as a graph, table or summary. The information can then be analysed by zooming in, storing to disc or exporting to other software packages.

colour-coded data-loggers
The ThermaData loggers are available in a variety of coloured cases; blue, white, yellow, green, red, brown and black. The colour-coded cases help to prevent cross-contamination by allowing the user to allocate a colour to a specific product or application. For example, in the food industry, green may be used for salads, blue for fish and red for raw meats etc.

Other applications include different coloured loggers for easy identification in, eg, the building and construction industry where loggers can often blend in with the environment.

order code	description
293-001	ThermaData logger - blue
293-105	ThermaData logger - white
293-205	ThermaData logger - yellow
293-305	ThermaData logger - green
293-405	ThermaData logger - red
293-605	ThermaData logger - brown
293-701	ThermaData logger - black
293-101	software & RS232 serial lead
293-104	software & RS232 USB lead

specification	ThermaData logger
range	-40 to +85°C
resolution	0.5°C
accuracy	±1°C (±0.5°C with calibration utility)
memory	2,048 temperature readings
sample rate	1 minute to 255 minutes
battery	3.6 volt ½ AA lithium coin cell
battery life	minimum 3 years
dimensions	Ø55 x 25mm
weight	45 grams

°C

ETI

ThermaData™ logger
humidity & temperature recording meter

✓ display toggles between humidity and temperature

✓ visual display of high & low alarm status

✓ records up to a maximum of 16,000 readings

✓ simple visual inspection shows if limits exceeded

The new humidity and temperature ThermaData loggers are portable data-loggers that measure and record both temperature and relative humidity (%rh) over the range of -20 to +85°C and 0 to 100 %rh.

At programmable intervals, the loggers will record simultaneously both temperature and humidity, recording up to a maximum of 16,000 readings (8,000 humidity and 8,000 temperature).

The ThermaData loggers offer the choice of either a blind logger (HTB) or a LCD display logger (HTD), both options include internal humidity and temperature sensors.

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 pre-set alarms have been exceeded.

The humidity and temperature ThermaData loggers are suitable for a diverse range of applications which include food storage and QA monitoring.

ThermaData logger software

The ThermaData logger is connected to a PC via a USB cradle. By clicking 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, storing to disc or exporting in Excel (.xls) or as a text (.txt) file to other software packages.

Please note: when initially ordering loggers it is necessary to order at least one ThermaData logger cradle.

specification	temperature	humidity
range	-20 to +85°C	0 to 100 %rh
resolution	0.1°C	0.1 %rh
accuracy	±0.5°C (0 to +45°C)	±2 %rh @ +25°C (10 to 90 %rh)
	±1°C (-20 to +70°C)	
	±1.5°C (+70 to +85°C)	
hysteresis	n/a	±1 %rh
sensor type	silicon bandgap	capacitance polymer
memory	2 x 8,000 readings	
sample rate	0.1 to 255 minutes	
battery	3.6 volt ½ AA lithium coin cell	
battery life	minimum 2 years	
display	10mm LCD - toggles every 6 seconds/2 LEDs	
dimensions	Ø76 x 23mm	
weight	80 grams	

order code	description
295-061	ThermaData logger HTB
296-061	ThermaData logger HTD
293-804	USB cradle, software & magnet

°C/°F   %rh

IR-Chill
infrared thermometer

✓ instant reading of chilled or frozen foods

✓ records maximum & minimum readings

✓ minimal ambient effect in cold environments

✓ compact, pocket-sized & simple to use

The IR-Chill thermometer is designed to measure the temperature of chill cabinets, freezers and cold storage units. Simply aim the thermometer at the target and press the measurement button to display the surface temperature instantly, with little ambient effect. The IR-Chill indicates temperature over the range of -9.9 to +219.9°C with a resolution of 0.1°C. Each unit incorporates maximum and minimum temperature functions together with an auto power off facility that automatically turns the instrument off after 15 seconds, maximising battery life.   A lock function is included for continuous temperature measurement, this is particularly useful when scanning a number of products in chill cabinets. The distance to target ratio is 1:1 therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but is adjustable from 0.01 to 1, so you can point and measure just about any surface.

The IR-Chill is perfect for supermarkets, food processors and general purpose applications. Whilst the IR-Chill is cheaper than many infrared gun-type thermometers, it out-performs most in low temperature applications.

why use an IR-Chill thermometer?
The accuracy of electronic infrared (IR) thermometers is often affected by the temperature of the environment in which they are being used. Large changes in the ambient temperature can introduce errors in the readings of the IR thermometer. When an IR thermometer is first taken into a refrigerated space, the readings may be as much as five or six degrees different. If the IR thermometer is allowed to acclimatise to the new ambient temperature before being used, it will provide fairly accurate readings.

Most IR thermometers are fitted with a lens to focus energy on the IR sensor. Many use a Fresnel lens made of plastic materials. These are particularly susceptible to thermal shock. Some IR thermometers use a Mica lens, these are less susceptible to thermal shock but will still display an error of a few degrees.

The IR-Chill is designed to be used only a few inches from the surface being measured, so the lens is eliminated completely. The electronics incorporate an accurate temperature compensation circuit to minimise thermal drift. Therefore, the IR-Chill gives maximum reading accuracy in changing ambient temperatures. This means that you can come and go between cold and warm environments and take accurate temperatures on the move.

specification	IR-Chill
range	-9.9 to +219.9°C
resolution	0.1°C (-9.9 to +199.9°C) otherwise 1°C
accuracy	±1°C (0 to +64.9°C) otherwise ±1.5%
field of view	target radio 1:1
emissivity	0.95 default - adjustable 0.01 to 1 emissivity
battery	3 volt CR2032 lithium coin cell
battery life	40 hours
display	custom LCD
dimensions	37 x 40 x 113mm
weight	40 grams

order code	description
814-090	IR-Chill thermometer

°C   MAX/MIN   AUTO OFF

TN1 - infrared
thermometer

✓ compact non-contact thermometer

✓ 0.95 default emissivity - adjustable

The TN1 is a non-contact infrared thermometer. Simply aim the thermometer at the target and press the measurement button to display the surface temperature instantly. The TN1 indicates temperature over the range of -33 to +220°C with a resolution of 0.1°C and is switchable between °C/°F.

Each unit incorporates maximum and minimum temperature functions together with an auto power off facility that automatically turns the instrument off after 15 seconds, maximising battery life and a lock function for continuous temperature measurement. The distance to target ratio is 1:1 therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be changed from 0.01 to 1.

specification	TN1
range	-33 to +220°C
resolution	0.1°C or °F (switchable)
infrared accuracy	±2% of reading or ±2°C whichever is greater
field of view	target ratio 1:1
emissivity	0.95 default - adjustable 0.01 to 1 emissivity
battery	3 volt CR2032 lithium coin cell
battery life	40 hours continuous use
display	custom LCD
dimensions	18 x 37 x 68mm
weight	32 grams

order code	description
814-050	TN1 infrared thermometer

°C/°F   MAX/MIN   AUTO OFF

TN2 - infrared
thermometer

✓ including laser alignment

✓ 0.95 default emissivity - adjustable

The TN2 infrared thermometer incorporates laser alignment. Simply aim the TN2 at the target and press the read button to display the surface temperature instantly over the range of -33 to +250°C with a resolution of 0.1°C/°F (switchable).

The distance to target ratio is 6:1 and therefore the thermometer should be positioned as close to the target as practical without touching. The minimum target size is Ø25mm for accurate temperature measurement.

Each unit incorporates maximum and minimum temperature functions together with an auto power off facility that automatically turns the instrument off after 15 seconds, maximising battery life and a lock function for continuous temperature measurement.

specification	TN2
range	-33 to +250°C
resolution	0.1°C or °F (switchable)
infrared accuracy	±2% of reading or ±2°C whichever is greater
field of view	target ratio 6:1
emissivity	0.95 default - adjustable 0.01 to 1 emissivity
battery	3 volt CR2032 lithium coin cell
battery life	40 hours continuous use
display	custom LCD
dimensions	18 x 50 x 100mm
weight	62 grams

order code	description
814-055	TN2 infrared thermometer

°C/°F   MAX/MIN   AUTO OFF

ETI

RayTemp™ 3
infrared thermometer

✓ simple push button operation

✓ range -59.9 to +499.9°C

✓ assured accuracy of ±1°C over the range of 0 to +65°C

✓ ideal instrument for catering & food processing

The RayTemp 3 infrared thermometer is compact, lightweight and easy to use. Simply aim, pull the trigger and display the temperature of the item being measured. In addition the LCD will display the maximum temperature.

The RayTemp 3 measures temperature over the range of -59.9 to +499.9°C with an assured accuracy of ±1°C over the range of 0 to +65°C, outside of this range ±2°C of reading in an ambient temperature of between +15°C and +25°C, with a repeatability of ±1°C of reading.

The instrument incorporates a clear, easy to read, LCD display with low battery, laser and backlight indication and an auto power off facility that turns the instrument off after 15 seconds, maximising battery life. The RayTemp 3 is ideal for measuring food surface temperatures, eliminating the need to touch or contaminate the food you are measuring, avoiding the risk of cross-contamination. The unit can be used by anyone as there is no need to focus or adjust the instrument.

Each RayTemp 3 features a single push button, allowing the user to select °C or °F. The thermometer also incorporates laser assisted alignment as standard, to assist in pin-pointing the area of measurement. The unit incorporates an 11:1 optic ratio (target distance/diameter ratio) and a fixed emissivity of 0.97 making it more suitable for chilled and frozen foods, although this infrared thermometer can be used for a wide range of other applications.

optional accessories
The protective PVC pouch helps to protect the instrument against accidental damage. A hard ABS carrying case is also available, ideal for transporting the thermometer safely. The pouch and carrying case can also be used for the RayTemp 4 and 8.

The Comparator provides an inexpensive way of checking the temperature of infrared thermometers when used in conjunction with a Reference thermometer (see page 87).

specification	RayTemp 3
range	-59.9 to +499.9°C
resolution	0.1°C or °F (-9.9 to +199.9°C) otherwise 1°C
infrared accuracy	±1°C (0 to +65°C) otherwise ±2°C
field of view	target ratio 11:1
emissivity	0.97 fixed
battery	2 x AAA alkaline
battery life	140 hours continuous use
display	custom LCD
dimensions	39 x 72 x 175mm
weight	180 grams

order code	description
814-040	RayTemp 3 thermometer
830-040	protective PVC pouch
834-740	small hard carrying case
814-132	aluminium Comparator

°C/°F   MAX   AUTO OFF   BACKLIT

ETI

Combo
infrared & foldaway probe thermometer

✓ two instruments in one

✓ 0.1°C resolution

✓ range - 32.9 to +219.9°C

✓ simple to use

The Combo is two instruments in one compact unit - a digital infrared non-contact thermometer and a traditional probe thermometer that incorporates a foldaway penetration probe. Each unit incorporates an auto power off facility that automatically turns the instrument off after 15 seconds, maximising battery life plus a lock function for continuous temperature measurement.

infrared thermometer

Simply aim the infrared thermometer at the target and press the measurement button to display the surface temperature over the range of -32.9 to +219.9°C with a resolution of 0.1°C/°F.

The Combo IR thermometer incorporates a max/min temperature function. The distance to target ratio is 5:1 and therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be changed from 0.01 to 1, if required.

foldaway probe thermometer

Alternatively, it is possible to take liquid or semi-solid product temperatures, using the Combo's stainless steel penetration probe (Ø3.3 x 120mm). The probe conveniently folds back through 180 degrees into the side of the instrument when not in use.
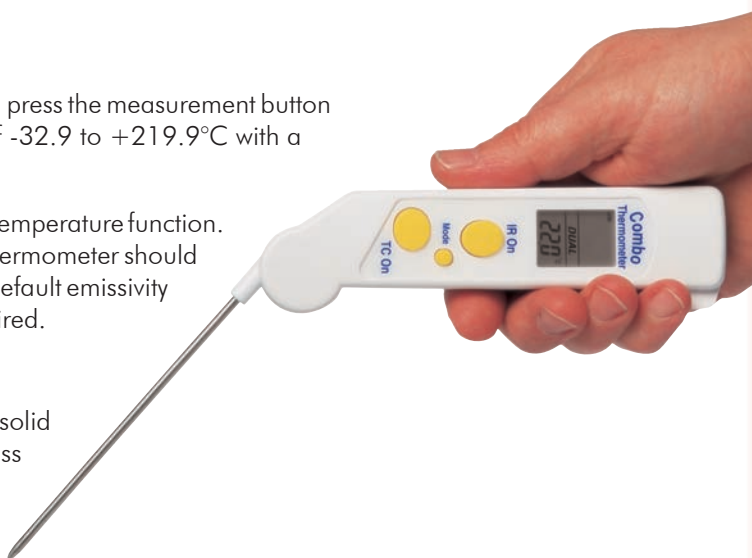
optional accessories
The protective wallet or zip pouch, both with belt loops, help to protect the instrument against accidental damage. The black acrylic wall bracket stores the instrument safely (screws not supplied).

specification	Combo
range	-32.9 to +219.9°C
resolution	0.1°C or °F (switchable)
infrared accuracy	±2% of reading or ±2°C whichever is greater
probe accuracy	±1% of reading or ±1°C whichever is greater
field of view	target ratio 5:1
emissivity	0.95 default - adjustable 0.01 to 1 emissivity
battery	3 volt CR2032 lithium coin cell
battery life	40 hours continuous use
display	custom LCD
dimensions	25 x 40 x 156mm
weight	75 grams

order code	description
814-065	Combo thermometer
830-110	protective wallet
830-001	zip pouch
832-200	wall bracket

°C/°F   MAX/MIN   AUTO OFF

EcoTemp™
max/min thermometer

✓ detachable penetration probe

✓ max/min, hold & °C/°F functions

The EcoTemp digital thermometer features a large, easy to read, LCD display with display hold and max/min memory functions. The unit 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.

This thermometer is ideal for monitoring cooking, cooling and food holding temperatures as part of HACCP, due diligence and health and safety procedures.

Each EcoTemp thermometer is supplied with a detachable, rigid, stainless steel food penetration probe (Ø3.5 x 125mm) with a Ø3.2 x 750mm silicone connecting lead. Optional, alternative probes are available.

| order code	description
810-950	EcoTemp thermometer & probe
810-951	replacement penetration probe
810-952	optional 3 metre wire probe
810-954	optional 1.5 metre silicone probe
810-955	optional penetration oven probe
830-215	protective PVC boot

specification	EcoTemp
range	-49.9 to +199.9°C
resolution	0.1°C or 0.1°F
accuracy	±1°C (-49.9 to +149.9°C)
battery	2 x 1.5 volt AAA
battery life	10,000 hours
sensor type	thermistor
display	custom 22mm LCD
dimensions	20 x 58 x 165mm
weight	115 grams including probe

°C/°F   HOLD   MAX/MIN   AUTO OFF   HACCP COMPATIBLE

ThermaLite™
pocket-sized thermometer

✓ simple one-handed operation

✓ supplied with probe cover & wall bracket

The ThermaLite digital thermometer is a truly pocket-sized thermometer measuring less than 185mm overall and weighing less than 50 grams including battery, probe and cover. Despite its modest size, the ThermaLite thermometer incorporates a clear LCD display. The thermometer displays temperature over the range of -49.9 to +149.9°C with a 0.1°C resolution and an accuracy of better than ±1°C.
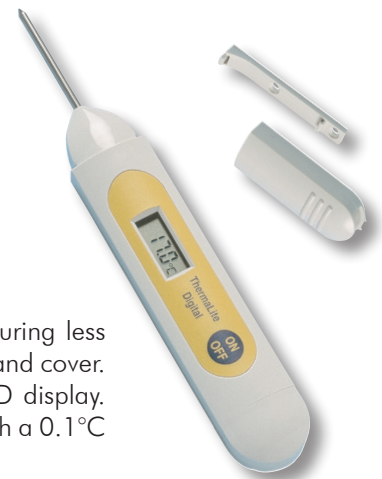
truly pocket-sized

The instrument incorporates a simple on/off push button and an auto power off facility that turns the instrument off automatically after 10 minutes, maximising battery life. The unit is housed in a high impact ABS plastic, designed to cope with routine day-to-day food and catering applications. The pointed, Ø3.3 x 44mm stainless steel penetration probe is ideal for measuring the temperature of food and semi-solid materials.

specification	ThermaLite
range	-49.9 to +149.9°C
resolution	0.1°C
accuracy	±1°C
battery	3 volt CR2032 lithium coin cell
battery life	5,000 hours
sensor type	thermistor
display	8mm LCD
dimensions	17 x 28 x 185mm
weight	47 grams
	a traceable certificate of calibration is included

order code	description
226-010	ThermaLite thermometer

°C   AUTO OFF   HACCP COMPATIBLE

ETI

Gourmet
folding probe thermometer

✓ water resistant pocket-sized instrument

✓ 8,000 hours continuous battery use

The water resistant Gourmet folding probe thermometer (FPT) 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 measures temperature over the range of -49.9 to +149.9°C with a 0.1°C resolution and incorporates two push button switches, max/min and on/off.

The Gourmet's battery will last up to 8,000 hours continuous use or, if used two hours a day, seven days a week, for a minimum of 10 years. Each unit incorporates a stainless steel, food penetration probe (Ø3.5 x 110mm) that conveniently folds back into the side of the instrument when not in use, rotating through 180 degrees, allowing the user to transport the instrument safely.

A protective wallet and zip pouch, both with a belt loop, are available.

order code	description
810-730	Gourmet FPT thermometer
830-110	protective wallet
830-001	zip pouch

specification	Gourmet FPT
range	-49.9 to +149.9°C
resolution	0.1°C or 0.1°F (switchable)
accuracy	±1°C
battery	1.5 volt AAA
battery life	8,000 hours
sensor type	thermistor
display	15mm LCD
dimensions	19 x 52 x 155mm
weight	76 grams

°C/°F | MAX/MIN | AUTO OFF | IP65 | HACCP COMPATIBLE

Multi-function
thermometer

✓ displays both the temperature & alarm set temperature

✓ supplied complete with stainless steel penetration probe

This low cost digital Multi-function thermometer is compact and easy to use. The thermometer features an easy to read LCD that displays both the temperature and the alarm set temperatures, ideal for restaurants, bars and cafes as an economical solution for temperature measurement applications.

The thermometer incorporates a display hold facility and a max/min memory function together with an adjustable audible high/low temperature alarm. The unit indicates temperature over the range of -49.9 to +149.9°C with a 0.1°C or 0.1°F resolution.

The rear of the case incorporates a useful foldaway worktop stand, a pocket clip and a probe storage clip. Each unit is supplied with a pointed, stainless steel, penetration probe (Ø3.3 x 125mm) with a one metre PVC connecting lead and probe cover.

order code	description
810-927	Multi-function thermometer

specification	Multi-function
range	-49.9 to +149.9°C
resolution	0.1°C or 0.1°F (switchable)
accuracy	±1°C (-20 to +150°C)
battery	1.5 volt AAA
battery life	5,000 hours
sensor type	thermistor
display	custom LCD
dimensions	32 x 86 x 116mm
weight	98 grams

°C/°F | HOLD | MAX/MIN | AUTO OFF | AUDIBLE ALARM

ETI

pocket-sized
thermometers

pen-shaped thermometer

This compact thermometer measures temperature over the range of -49.9 to +149.9°C. The thermometer features a Ø3.5 x 120mm pointed stainless steel probe. The instrument incorporates a °C/°F switch and a display hold feature. Each unit is supplied with a probe cover that incorporates a pocket clip.

specification	pen-shaped
range	-49.9 to +149.9°C
resolution	0.1°C/°F
accuracy	±1°C
battery & battery life	1.5 volt (839-044) - 5,000 hours
display	6mm LCD
dimensions	20 x 20 x 190mm
weight	17 grams

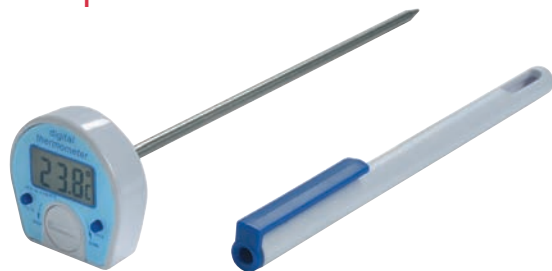| order code	description
810-260	pen-shaped penetration probe

T-shaped thermometer

This compact thermometer measures temperature over the range of -49.9 to +149.9°C. The thermometer features a Ø3.5 x 120mm pointed stainless steel probe. The instrument incorporates a °C/°F switch and a display hold feature. Each unit is supplied with a probe cover that incorporates a pocket clip.

specification	T-shaped
range	-49.9 to +149.9°C
resolution	0.1°C/°F
accuracy	±1°C
battery & battery life	1.5 volt (839-044) - 5,000 hours
display	6mm LCD
dimensions	20 x 58 x 145mm
weight	16 grams

order code	description
810-265	T-shaped thermometer

dial-shaped thermometer

This dial-shaped thermometer measures temperature over the range of -49.9 to +149.9°C. The thermometer features a Ø3.5 x 125mm pointed stainless steel probe. The instrument incorporates a °C/°F switch and a display hold feature. Each unit is supplied with a probe cover that incorporates a pocket clip.

specification	dial-shaped
range	-49.9 to +149.9°C
resolution	0.1°C/°F
accuracy	±1°C
battery & battery life	1.5 volt (839-093) - 5,000 hours
display	6mm LCD
dimensions	35 x 35 x 150mm
weight	14 grams

order code	description
810-860	dial-shaped thermometer

water resistant thermometer

This water resistant thermometer features a Ø3.5 x 120mm pointed stainless steel food penetration probe.

The unit measures temperature over the range of -49.9 to +199.9°C with a resolution of 0.1°C/°F. The thermometer features three easy to use buttons with max/min, °C/°F and on/off.

The thermometer is supplied with a probe cover that incorporates a pocket clip.

specification	water resistant
range	-49.9 to +199.9°C
resolution	0.1°C/°F
accuracy	±1°C (-20 to +150°C)
battery & battery life	1.5 volt (839-044) - 5,000 hours
display	8.5mm LCD
dimensions	Ø40 x 17 x 170mm
weight	28 grams

order code	description
810-270	water resistant thermometer

pocket-sized
thermometers

dial-shaped thermometer

This dial-shaped thermometer measures temperature over the range of -49.9 to +199.9°C. The thermometer features a Ø3.5 x 120mm pointed stainless steel probe. The instrument incorporates a max/min memory function, a display hold feature and is °C/°F switchable. Each unit is supplied with a probe cover and pocket clip.

specification	dial-shaped
range	-49.9 to +199.9°C
resolution	0.1°C/°F
accuracy	±1°C
battery & battery life	1.5 volt (839-093) - 5,000 hours
display	6mm LCD
dimensions	Ø35 x 150mm
weight	15 grams

order code	description
810-245	dial-shaped thermometer

T-shaped thermometer

This compact thermometer measures temperature over the range of -49.9 to +199.9°C. The thermometer features a Ø3.5 x 120mm pointed stainless steel probe. The instrument incorporates a max/min memory function, a display hold feature and is °C/°F switchable. Each unit is supplied with a probe cover and pocket clip.

specification	T-shaped
range	-49.9 to +199.9°C
resolution	0.1°C/°F
accuracy	±1°C
battery & battery life	1.5 volt (839-044) - 5,000 hours
display	6mm LCD
dimensions	20 x 58 x 155mm
weight	20 grams

order code	description
810-240	T-shaped thermometer

T-shaped thermometer

This robust waterproof thermometer offers IP66/67 protection and features a max/min memory and display hold function. The unit is housed in a polycarbonate case with a strong, stainless steel, penetration probe, Ø5 x 125mm with a reduced tip (Ø3.5 x 20mm) to improve response time.

specification	T-shaped
range	-49.9 to +149.9°C
resolution	0.1°C
accuracy	±1°C
battery & battery life	1.5 volt (839-044) - 5,000 hours
display	12mm LCD
dimensions	30 x 88 x 170mm
weight	50 grams

order code	description
810-285	T-shaped waterproof thermometer

pen-shaped thermometer

This compact pen-shaped thermometer is housed in a robust, soft-touch ABS case that incorporates a pocket clip. The thermometer features a max/min memory function and low battery indication. The Ø3.5 x 120mm pointed stainless steel penetration probe is ideal for various applications.

specification	pen-shaped
range	-50 to 150°C
resolution	0.1°C (-19.9 to 149.9°C)
accuracy	±1°C
battery & battery life	1.5 volt (839-093) - 3,000 hours
display	8mm LCD
dimensions	22 x 30 x 215mm
weight	26 grams

order code	description
810-300	pen-shaped thermometer

max/min probe
thermometer

✓ detachable penetration probe

✓ max/min, hold & °C/°F functions

This digital max/min thermometer features an easy to read LCD with display hold and max/min memory functions. The unit measures temperature over the range of -49.9 to +149.9°C with a 0.1°C/°F resolution.

The thermometer features a useful foldaway worktop stand. Additionally, the thermometer incorporates a magnetic pad and a keyhole slot for attaching the unit to an appliance or for wall-mounting. The max/min thermometer is powered by a single AAA battery with a life expectancy of approximately 5,000 hours. Each unit is supplied with a detachable, stainless steel, penetration probe (Ø3.5 x 120mm) with a probe cover and one metre PVC connecting lead.

order code	description
810-930	max/min thermometer
810-935	replacement probe

specification	max/min
range	-49.9 to +149.9°C
resolution	0.1°C or 0.1°F (switchable)
accuracy	±1°C ±1 digit
battery & battery life	1.5 volt AAA - 5,000 hours
sensor type	thermistor
display	12.7mm LCD
dimensions	20 x 65 x 97mm
weight	100 grams

°C/°F   **HOLD**   **MAX/MIN**

ThermaGuard™
telephone & power warning system

✓ monitoring temperature - range -19.9 to +49.9°C

✓ stores four emergency telephone numbers

The ThermaGuard continuously monitors the temperature and the power status and reports to the user, via a telephone call, if the alarm settings have been activated. Alternatively, it is possible to telephone the ThermaGuard and it will report the current, the max/min temperatures and the power status. Each unit is supplied with a small thermistor sensor with 10 metres of PVC lead. The ThermaGuard monitors temperature over the range of -19.9 to +49.9°C with a resolution of 0.1°C or 0.1°F. The unit's custom LCD indicates the real date/time, the current temperature, the max/min temperature since last reset (24-hours, seven days or manual) and the current power status.

The ThermaGuard can store up to four, 20-digit telephone numbers in its memory and will dial up sequentially each stored emergency number (three times) or until someone answers the call and enters the 4-digit PIN code. The system incorporates a number of programmable features including the ability to enter a ten second personal identification message, a user PIN code, high and low alarm temperatures and an alarm time delay feature to help avoid false alarms. Each ThermaGuard incorporates a four-hour battery back-up power supply for emergency use when the power failure alarm is activated. The ThermaGuard is ideal for 24/7 monitoring of temperature sensitive equipment and storage areas.

specification	ThermaGuard
range	-19.9 to +49.9°C
resolution	0.1°C or 0.1°F (programmable)
accuracy	±2°C ±1 digit
power	230/115 volt AC/DC transformer
sensor type	thermistor
display	custom LCD
dimensions	40 x 108 x 165mm
weight	476 grams
a full technical data-sheet is available on request	

order code	description
810-570	ThermaGuard warning system

°C/°F   **HOLD**   **MAX/MIN**   **AUDIBLE ALARM**
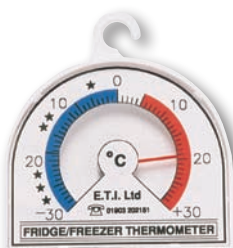
ETI

fridge or freezer
thermometers

Ø52mm dial thermometer

This easy to read fridge or freezer thermometer has a Ø52mm dial, indicating temperature over a range of -30 to +30°C in 1°C divisions and incorporates colour-coded zones. The ABS case incorporates a plastic hook to hang from a shelf.

order code	description
800-100	Ø52mm dial thermometer

Ø70mm dial thermometer

This fridge or freezer thermometer has a Ø70mm dial, indicating temperature over a range of -30 to +30°C in 1°C divisions and incorporates colour-coded zones. The ABS case measures 70 x 60mm. The thermometer can be free-standing or hung from a shelf.

| order code	description
800-000	Ø70mm dial thermometer

Ø50mm dial thermometer

This stainless steel, fridge or freezer thermometer has a Ø50mm dial, indicating temperature over a range of -30 to +30°C. The housing measures 60 x 70mm and can be free-standing or hung from a shelf.

| order code	description
800-923	Ø50mm dial thermometer

vertical spirit-filled thermometer
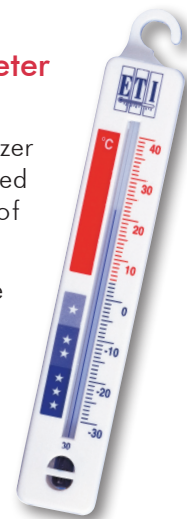
This spirit-filled vertical fridge/freezer thermometer features clearly marked colour-coded zones for ease of reading.

The thermometer indicates temperature over the range of -30 to +40°C in 1°C divisions.

The ABS case measures 150 x 24mm and incorporates a plastic hook to hang from a shelf.

order code	description
803-000	vertical spirit-filled thermometer

horizontal spirit-filled thermometer
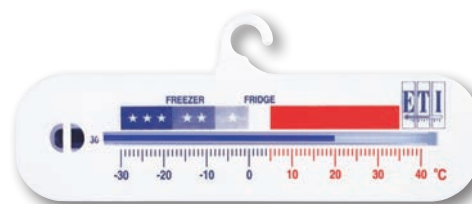
This spirit-filled fridge/freezer thermometer indicates temperature over a range of -30 to +40°C in 1°C divisions with colour-coded zones. The ABS housing measures 130 x 53mm. The thermometer can be free-standing or hung from a shelf.

order code	description
803-050	horizontal spirit-filled thermometer

clear spirit-filled thermometer
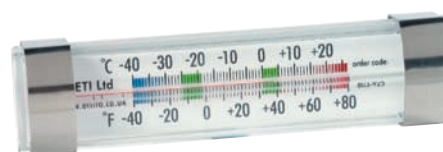
This spirit-filled fridge/freezer thermometer is encased in a clear ABS housing (10 x 30 x 122mm). The thermometer's colour-coded zones indicate temperature over a range of -40 to +20°C/°F. The unit is designed to be hung from a shelf or wall-mounted (brackets supplied).

order code	description
803-925	clear spirit-filled thermometer

fridge or freezer
alarm thermometers

max/min temperature memory

This max/min and alarm fridge or freezer thermometer features a large LCD display, indicating the temperature over the range of -49.9 to +69.9°C.

The thermometer is housed in an ABS case and incorporates a backlight, two temperature sensors, a remote probe with a one metre PVC lead for the appliance temperature, and an internal sensor for the air room temperature.

specification	max/min alarm thermometer
range	-49.9 to +69.9°C
resolution	0.1°C
accuracy	±1°C
battery	1.5 volt AAA
battery life	5,000 hours
display	custom LCD
dimensions	15 x 52 x 73mm
weight	48 grams

order code	description
810-210	max/min alarm thermometer

max/min temperature memory

This max/min and alarm fridge or freezer thermometer features a LCD display, indicating temperature over the range of -49.9 to +69.9°C.

The thermometer is housed in an ABS case and incorporates two temperature sensors, a remote probe with a one metre PVC lead for the appliance temperature, and an internal sensor for the air room temperature.

specification	max/min alarm thermometer
range	-49.9 to +69.9°C
resolution	0.1°C
accuracy	±1°C
battery	1.5 volt LR44 button cell
battery life	8,000 hrs
display	custom LCD
dimensions	13 x 48 x 63mm
weight	35 grams

order code	description
810-205	max/min alarm thermometer

fridge & freezer
dual sensor alarm thermometer

This versatile fridge and freezer alarm thermometer enables the user to monitor the temperature of two appliances simultaneously. The thermometer displays temperature over the range of -39.9 to +69.9°C with a 0.1°C resolution and an accuracy of ±1 °C.

The thermometer features a visual and audible programmable alarm indicating when the temperature is outside the set limits (default +8°C fridge and -18°C freezer). The alarm feature also incorporates a count-up time function which records the length of time, up to 99 hours and 59 minutes, that the fridge or freezer thermometer has exceeded the limits. The unit also incorporates a max/min memory function.

Each thermometer is housed in an ABS case and incorporates two magnetic pads for appliance mounting. The unit is powered by two AAA batteries with a life expectancy of 5,000 hours. Each alarm thermometer is supplied with two remote temperature probes, both with a one metre PVC lead.

specification	alarm thermometer
range	-39.9 to +69.9°C
resolution	0.1°C
accuracy	±1°C
battery	2 x 1.5 volt AAA
battery life	5,000 hours
display	dual custom LCD
dimensions	23 x 45 x 135mm
weight	104 grams

order code	description
810-200	dual sensor alarm thermometer

°C/°F   MAX/MIN   AUDIBLE ALARM

waterproof fridge
thermometers

These small digital waterproof fridge thermometers are available in a variety of colours, white, yellow, lime green, raspberry red, sky blue or burnt orange.

The fridge thermometers indicate temperature over the range of -9.9 to +49.9 °C with a 0.1°C resolution.

The clear suction pad's pivotal ball enables the unit to be attached to a fridge from the back or front. Each unit measures 15 x 41 x 55mm (excluding suction pad).

These fridge thermometers can be part of your HACCP and due diligence procedures, being used for different food types or storage areas, reducing the risk of cross-contamination. Alternatively, each fridge, or area within a fridge, can be given a different colour thermometer to aid identification.

order code	description
810-231	fridge thermometer - white
810-232	fridge thermometer - yellow
810-233	fridge thermometer - lime green
810-234	fridge thermometer - raspberry red
810-235	fridge thermometer - sky blue
810-236	fridge thermometer - burnt orange

specification	fridge thermometers
range	-9.9 to +49.9°C
resolution	0.1°C
accuracy	±1.5°C over full range
battery	1.5 volt LR44 button cell
battery life	8,000 hours continuous use
display	custom LCD
dimensions	15 x 41 x 55mm
weight	35 grams

°C IP67 HACCP COMPATIBLE

FoodSafe fridge
food simulant 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.

why a FoodSafe thermometer?
The FoodSafe food simulant thermometer, on the other hand, is an encased thermometer that ensures that it indicates temperature similar to that of the food stored in the fridge or chill cabinet. Therefore it is not subject to the changes in air temperature that normally occur when the door is opened. It is the temperature of the food that is important in preventing the growth of food poisoning bacteria.

The easy to read FoodSafe is ideal for domestic or commercial use, as it is reliable, robust and hygienic. The thermometer indicates temperature over the range of -20 to +40°C with an accuracy of ±0.5°C over the range of -5 to +20°C, 1°C thereafter. The unit is housed in a clear plastic case with colour-coded zones that indicate when the temperature is too warm. The FoodSafe thermometer measures Ø25mm x 150mm high.

Each FoodSafe thermometer is supplied with a metal hook for hanging in a fridge.

order code	description
803-900	FoodSafe food simulant thermometer

°C HACCP COMPATIBLE

ETI

oven
& microwave thermometers

dial oven thermometer

This stainless steel oven thermometer features a clear Ø55mm dial with colour-coded zones. The green marker indicates the minimum temperature that heated display units should be kept at. The thermometer indicates temperature over the range of 0 to +300°C in 10°C divisions. The case measures 45 x 65 x 80mm.

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
800-809	Ø55mm dial oven thermometer

dial oven thermometer

This stainless steel oven thermometer features a Ø45mm dial with colour-coded zones. The green marker indicates the minimum temperature that heated display units should be kept at. The unit indicates temperature over the range of +50 to +300°C in 10°C divisions. The case measures 40 x 60 x 70mm.

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
800-931	Ø45mm dial oven thermometer

microwave thermometer

This easy to use, spirit-filled, microwave thermometer is housed in a high impact plastic case.

The thermometer indicates temperature over the range of +30 to +110°C or +100 to 230°F.

The microwave thermometer is supplied with a plastic skewer for insertion into food before placing the thermometer in the space provided.

order code	description
803-670	microwave thermometer

horizontal oven thermometer
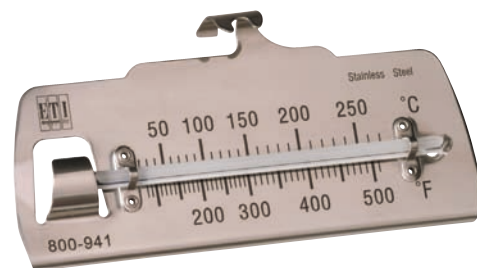
This stainless steel, spirit-filled, oven thermometer indicates temperature over the range of ambient to +275°C in 10°C increments. The thermometer's case measures 35 x 60 x 125mm.

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

order code	description
800-941	horizontal oven thermometer

oven thermometer
& timer

✓ dual display - temperature & countdown timer

✓ high temperature detachable probe

The combined clock, countdown timer and thermometer displays both the actual and the alarm 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 oven thermometer 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 thermometer is supplied with a high temperature probe and a two metre stainless steel braided lead. The probe has an insertion length of 150mm (Ø4mm) and incorporates a reduced diameter tip to aid response time.

order code	description
810-060	oven thermometer & timer

specification	oven thermometer & timer
range	0 to +300°C
resolution	1°C or 1°F (switchable)
accuracy	±2°C (0 to +200°C)
battery	1.5 volt AAA
battery life	5,000 hours
sensor type	thermistor
display	triple custom LCD
dimensions	21 x 75 x 128mm
weight	89 grams

°C/°F   HOLD   MAX/MIN   AUDIBLE ALARM

timers
count-up/down & countdown

count-up/down timers

These digital countdown/count up timers incorporate a louder than average audible alarm.

The timers are fully programmable via three, easy to use push buttons, allowing the user to set the time up to 99 minutes and 59 seconds or 19 hours and 59 minutes. The timers are powered by a single AAA battery.

Each timer incorporates a pocket clip/foot stand.

order code	description
806-100	minutes & seconds timer
806-110	hours & minutes timer

waterproof countdown timer

This countdown timer offers IP65 waterproof protection. The large digital display and loud audible alarm, with variable volume control, is ideal in busy professional kitchens. The countdown timer is programmable via the keypad, allowing 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 applicance. The unit is powered by a single AAA battery.

order code	description
806-150	waterproof countdown timer

ETI

cooking
thermometers

meat roasting thermometer

The meat roasting thermometer incorporates a Ø45mm dial with a pointed Ø4 x 105mm, stainless steel stem. The thermometer indicates temperature over the range of 0 to +120°C in 1°C divisions. For the most accurate temperature recording, insert the thermometer in the thickest part of the meat or poultry. The dial is clearly marked for beef, lamb, veal, pork and poultry.

order code	description
800-804	meat roasting thermometer

cook's thermometer

The cook's thermometer indicates temperature over the range of +40 to +200°C in 2°C divisions. The thermometer's scale is clearly marked for hard crack, soft crack, hard ball, soft ball, thread and deep fry.

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

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

order code	description
800-806	cook's thermometer

milk thermometers

The milk dial thermometers incorporate colour-coded zones that make them fast and simple to use. Available with Ø25mm dial x 125mm stem or Ø45mm dial x 125mm or 175mm stem, all supplied with a stainless steel jug mounting probe clip.

order code	description
800-810	Ø25 x 125mm milk thermometer
800-820	Ø45 x 125mm milk thermometer
800-800	Ø45 x 175mm milk thermometer

frying thermometer

The frying thermometer incorporates a Ø50mm dial and a pointed, stainless steel Ø4 x 150mm stem. The frying thermometer indicates temperature over the range of 0 to +300°C in 10°C divisions. For the most accurate temperature recording, insert the thermometer in the thickest part of the product. The dial is clearly marked for meat, poultry, fish and chips.

order code	description
800-805	frying thermometer

brass sugar & jam thermometer

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

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

Simply insert the thermometer into the liquid being measured to the level indicated and read the temperature.

order code	description
800-808	brass sugar & jam thermometer

dial thermometers

These Ø25mm or Ø45mm dial thermometers feature a pointed Ø4mm x 130mm stainless steel stem and are supplied with a probe cover. Each dial thermometer is available in three scales. An optional stainless steel probe holder clip is also available.

order code	description	range
800-811	Ø25mm dial	-40 to +70°C
800-812	Ø25mm dial	-10 to +110°C
800-813	Ø25mm dial	0 to +250°C
800-801	Ø45mm dial	-40 to +70°C
800-802	Ø45mm dial	-10 to +110°C
800-803	Ø45mm dial	0 to +250°C
830-220	Ø4mm probe holder clip	

ETI

catering
accessories

temperature log books

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

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

order code	description
831-100	A5 temperature log book

protective boots

Protective boots help to protect instruments against accidental damage. Different shaped protective PVC boots are available for the following thermometers: 2000 series, EcoTemp, Thermamite, CaterTemp Plus and Therma Plus.

A protective silicone boot is also available for the ThermaData loggers.

order code	description
830-205	PVC boot - 2000 series
830-215	PVC boot - EcoTemp
830-230	PVC boot - Thermamite
830-242	PVC boot - CaterTemp/Therma Plus
830-270	silicone boot - ThermaData logger

probe holder clips

These stainless steel probe holders, clip on the top of a jug or similar to hold in place a temperature probe. Two models are available, one that will accept either a Ø3mm or Ø3.3mm probe stem and the other is designed to work in conjunction with a bi-metal thermometer and will accept a Ø4mm probe stem. The probe should not touch the bottom or the sides of the container.

order code	description
830-220	Ø4mm probe holder clip
830-500	Ø3 & 3.3mm probe holder clip

colour-coded protective PVC boots

These colour-coded PVC boots help to protect instruments against accidental damage. The colour-coded boots can be used for the Therma 1, 2, 3, 5 and 12, the ThermaCheck and the Therma 20 thermometers. For other protective PVC boots, please see relevant pages.

order code	description
830-200	protective PVC boot - yellow
830-201	protective PVC boot - white
830-202	protective PVC boot - blue
830-203	protective PVC boot - green
830-204	protective PVC boot - red
830-207	protective PVC boot - brown
830-208	protective PVC boot - orange
830-209	protective PVC boot - black

catering
accessories

wall brackets

These black acrylic wall brackets store thermometers safely when not in use (screws not supplied). Alternative clear polycarbonate wall brackets are also available for specific thermometers, see individual product pages.

order code	description
832-110	Therma series wall bracket
832-120	Thermamite wall bracket
832-200	Thermapen wall bracket

zip pouches

These protective zip pouches are ideal for transporting thermometers and probes. The zip pouches are manufactured from soft PVC imitation leather.

The small zip pouch measures 35 x 65 x 170mm and the large zip pouch measures 40 x 110 x 300mm.

order code	description
830-001	zip pouch - small
830-002	zip pouch - large

batteries
rechargeable & standard

rechargeable batteries & charger

This range of rechargeable batteries is economical and ecological. These rechargeable batteries can be charged up to 1,000 times and have a long life compared to standard alkaline batteries.

The charger has the capacity to charge either two or four AAA or AA batteries (recommended in pairs). Alternatively, one or two PP3 batteries can be charged. The charger is not a fast charger which prolongs the life of the batteries.

order code	description
839-300	AA rechargeable batteries x 2
839-310	AAA rechargeable batteries x 2
839-320	PP3 rechargeable battery
839-350	battery charger

alkaline, standard & button cell batteries

For the convenience of our customers, ETI supplies a selection of eco-friendly (green), high performance, alkaline batteries to fit our thermometers. Button cell batteries are also available.

order code	description	
839-040	PP3 alkaline	9 volt
839-044	LR44 button cell	1.5 volt
839-050	PP3 standard heavy duty	9 volt
839-057	357X button cell	1.5 volt
839-093	393X button cell	1.5 volt
839-095	CR2032 lithium coin cell	3 volt
839-100	half AA lithium	3.6 volt
839-130	C alkaline	1.5 volt
839-140	D alkaline	1.5 volt
839-150	AA alkaline	1.5 volt
839-160	AAA alkaline	1.5 volt
839-195	CR2032 lithium (pack of 2)	3 volt
839-250	MN21 alkaline	12 volt

anti-bacterial wipes

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

single sachets of Probe-Wipes

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

Each wipe measures 150 x 195mm. The single sachet wipes are sold in cartons of 100 single sachets.

order code	description
836-200	carton of 100 single Probe-Wipes

mini tubs of 70 Probe-Wipes

The mini tub is designed to fit into the user's pocket and incorporates an easy to dispense flip-top lid.

Each tub contains 70 blue anti-bacterial Probe-Wipes. Each blue Probe-Wipe measures 70 x 130mm.

The wipes are supplied either as single tubs, order code 836-022 or in cartons of 10 tubs, order code 836-020.

order code	description
836-022	single tub of 70 mini Probe-Wipes
836-020	10 tubs of mini Probe-Wipes

tub of 200 Probe-Wipes

The single tub contains 200 blue anti-bacterial Probe-Wipes, each measures 130 x 130mm.

The tubs are supplied individually, order code 832-052 or order code 836-050 for cartons of six tubs of 200 wipes.

An optional wall bracket is also available enabling a single tub of wipes to be conveniently positioned.

order code	description
836-052	single tub of 200 Probe-Wipes
836-050	carton of 6 tubs of Probe-Wipes
832-300	wall bracket for single tub

tub of 150 Probe-Wipes

Each one-litre tub contains 150 strong, blue anti-bacterial Probe-Wipes.

Each Probe-Wipe measures 200 x 235mm.

These strong wipes are ideal for cleaning knives, thermometers, probes and other hygiene sensitive equipment.

order code	description
836-062	single tub of 150 Probe-Wipes

bucket of CaterWipes

CaterWipes are ideal for cleaning serving counters, machinery and other hygiene sensitive areas. Each wipe measures 200 x 200mm.

The wipes are supplied in airtight, easy to dispense, buckets of 1,000 blue anti-bacterial wipes.

order code	description
836-100	bucket of 1,000 CaterWipes
836-150	refill for the above buckets

SaniSafe wipes

SaniSafe wipes are contained in a new QRD (quick release dispenser) dispensing system, designed to dispense wipes with controlled release, improved hygiene and reduced waste.

Each pack contains 1,000 blue anti-bacterial wipes (200 x 200mm).

order code	description
836-330	SaniSafe wipes - single pack
836-340	SaniSafe wipes - pack of three