

THERMOCOUPLE, PT100 & THERMISTOR PROBES

Choosing the best probe for your application will make your checks easier and your readings more accurate. Our extensive range of probes is specifically tailored to a variety of needs so you can find the best option for you.

PROBE FEATURES

Some things to consider when selecting a probe are:

RESPONSE TIME

Response time is the time taken for the sensor to reach 2/3rds of the final reading and is the standard means of measuring probe response time. However, it is variable depending on the substance being measured. Therefore, estimating an accurate response time without knowing the application can be difficult. The times quoted in our product descriptions should be used as a general guide.

RANGE AND ACCURACY

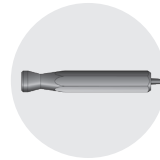
Some probes have a wide range, while others have a narrow range. Probes with a narrow range tend to be more accurate within that range. To get the best results, identify the highest and lowest temperatures you'll need to measure using your probe and how accurate you need the measurements to be.

CABLE TEMPERATURE RANGE

PVC 0 to 105 °C
FEP -100 to 150 °C
PTFE -50 to 250 °C
Fibreglass -60 to 350 °C
High Temp Fibreglass -60 to 600 °C

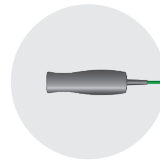
HANDLE TYPES

Our probes feature four types of handles: hexagonal, small rounded, ribbed heavy-duty or T-shaped. Each handle features Biomaster product protection to reduce bacterial growth.



HEXAGONAL

Manufactured from nylon and available in black. Maximum temperature is 105 °C.



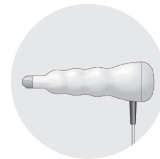
SMALL ROUNDED

Manufactured from nylon and available in black. Maximum temperature is 105 °C.



T-SHAPED

Manufactured from polypropylene and available in black or white. Maximum temperature is 105 °C.



RIBBED HEAVY-DUTY

Manufactured from polypropylene and available in black or white. Maximum temperature is 85 °C. Available with colour-coded caps.

PROBE ACCURACY SPECIFICATIONS

K Thermocouple Probes/Sensors

All type K thermocouple probes/sensors are manufactured from Class 1 type K thermocouple wire as detailed in the British Standard BS EN 60584-1:2013, and meet the following accuracy specification:

- ± 1.5 °C between -40 & 375 °C
- ± 0.4 % between 375 & 1000 °C

T Thermocouple Probes/Sensors

All type T thermocouple probes/sensors are manufactured from Class 1 type T thermocouple wire as detailed in the British Standard BS EN 60584-1:2013, and meet the following accuracy specification:

- ± 0.5 °C between -40 & 125 °C
- ± 0.4 % between 125 & 400 °C

NTC Thermistor Probes/Sensors

The tolerance specification for all ETI manufactured thermistor probes is as follows:

- ± 0.4 °C between -20 & 100 °C
- ± 0.2 °C between 0 & 70 °C
- ± 0.3 °C between -10 & 0 °C

High Accuracy K Thermocouple Probes/Sensors (indicated in the catalogue with the icon)

ETI high accuracy type K probes are manufactured from Class 1 type K thermocouple wire which is chosen for improved accuracy and performance and meet the following accuracy specification:

- ± 0.5 °C between 0 & 100 °C

High Accuracy T Thermocouple Probes/Sensors (indicated in the catalogue with the icon)

ETI high accuracy type T probes are manufactured from Class 1 type T thermocouple wire which is chosen for improved accuracy and performance and meet the following accuracy specification:

- ± 0.2 °C between -20 & 70 °C
















PT100/RTD Probes/Sensors

All PT100/RTD probes/sensors are manufactured from Class A or 1/10DIN PT100/RTD 100 Ω (ohms) detectors as detailed in the IEC 60751 (2008) standard, and meet the following accuracy specification:

- CLASS A ± 0.15 °C ± 0.2 % between -200 & 600 °C
- 1/10DIN ± 0.03 °C $\pm 0.1\%$ between -100 to 200 °C
Otherwise $\pm 0.2\%$

Please note: Standard lead length is one metre unless separately specified



















HANDHELD TYPE K OR T THERMOCOUPLE PROBES

		Order code	£ each
PENETRATION PROBE   $\varnothing 3.3 \times 130 \text{ mm}$	This stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-160	32.00
		323-160 (coiled lead)	33.00
PENETRATION PROBE   $\varnothing 3.3 \times 300 \text{ mm}$	This extended, stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-168	37.00
		323-168 (coiled lead)	38.00
FAST RESPONSE PROBE   $\varnothing 3.3 \times 100 \text{ mm}$	This reduced tip ($\varnothing 1.8 \times 25 \text{ mm}$), fast response, stainless steel penetration probe is ideal for liquids or semi-solids i.e. soft rubber and other similar materials. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-159	34.50
		323-159 (coiled lead)	35.50
NEEDLE PENETRATION PROBE   $\varnothing 1.8 \times 130 \text{ mm}$	This fast response, stainless steel needle penetration probe is ideal for liquids or semi-solids i.e. soft rubber or plastic. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-100	34.50
		323-100 (coiled lead)	35.50
OVEN PROBE   $\varnothing 3.3 \times 130 \text{ mm}$	This oven probe has a stainless steel handle and a two metre PTFE high temperature lead. An oven probe without a handle is available. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe and lead temperature range -75 to 250 °C 	133-170	55.00
		133-173 (no handle)	26.50
RIGID BETWEEN PACK PROBE   $\varnothing 4.5 \times 130 \text{ or } 500 \text{ mm}$	This rigid, stainless steel between pack probe is strong and versatile, designed specifically for accurately measuring the temperature between packets and boxes. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-060 (130 mm)	34.50
		123-080 (500 mm)	42.50
		323-060 (coiled lead) 130 mm only	35.50
HIGH TEMPERATURE PROBE  $\varnothing 1.5 \times 130 \text{ mm}$	This flexible, mineral insulated (MI) probe can be bent to any shape without affecting its performance. Ideal for measuring high temperatures i.e. fryers or furnaces. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -40 to 1100 °C 	123-204	37.00
		323-204 (coiled lead)	38.00
HIGH TEMPERATURE PROBE  $\varnothing 3 \times 130 \text{ mm}$	This flexible, mineral insulated (MI) probe can be bent to any shape without affecting its performance. Ideal for measuring high temperatures i.e. fryers or furnaces. <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -40 to 1100 °C 	123-212	37.00
		323-212 (coiled lead)	38.00
HIGH TEMPERATURE PROBE  $\varnothing 3 \times 300 \text{ mm}$	This extended, flexible, mineral insulated (MI) probe can be bent to any shape without affecting its performance. Ideal for measuring high temperatures i.e. fryers or furnaces. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -40 to 1100 °C 	123-213	44.50
		323-213 (coiled lead)	45.50

TEMPERATURE PROBES

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

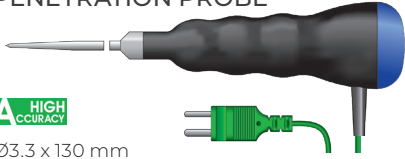
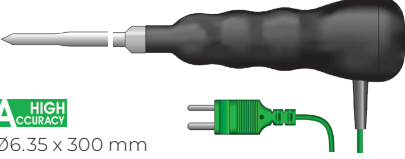
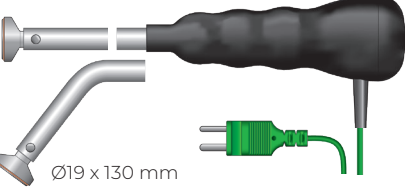
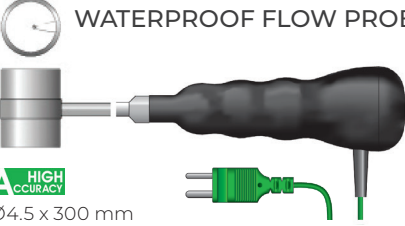
HANDHELD TYPE K OR T THERMOCOUPLE PROBES

		Order code	£ each
BINDER PROBE  	This rounded tip, stainless steel probe is designed for inserting into Binder self-sealing glands to measure the temperature of vessels or radiators. <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -75 to 250 °C 	123-240	32.50
		323-240 (coiled lead)	33.50
AIR OR GAS PROBE  	This stainless steel, fast response air or gas probe is ideal for measuring air temperature in chill cabinets, fridges, freezers, offices, storage areas and similar. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-300	31.50
		323-300 (coiled lead)	32.50
T-SHAPED AIR OR GAS PROBE  	This stainless steel T-shaped, shielded fast response air or gas probe is ideal for measuring the temperature in HVAC duct work, offices, storage areas and similar. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-310	45.00
		323-310 (coiled lead)	46.00
RIBBON SURFACE PROBE  	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. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-030	49.00
		123-032 (right-angled)	53.50
RIBBON SURFACE PROBE  	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. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-044	35.00
		123-052 (right-angled)	38.50
WATERPROOF SURFACE PROBE  	This waterproof, ribbon surface probe incorporates a moulded mini plug and utilises flat ribbon technology to ensure a fast, accurate response with minimal heat loss. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	123-046	40.00
		323-046 (coiled lead)	41.00
SURFACE PROBE  	This surface probe incorporates a spring-loaded copper disc sensing tip. The probe is ideal for a variety of surface temperature measurements. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -100 to 600 °C 	123-000*	42.00
		323-000* (coiled lead)	43.00
HEAVY-DUTY SURFACE PROBE  	This high temperature surface probe is ideal for measuring the temperature of griddles, hotplates etc. A right-angled version is also available <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -100 to 1000 °C 	123-020*	43.00
		123-028* (right-angled)	55.50
PENETRATION PROBE  	This small handled, stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids. A fast response version with a reduced tip is also available. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-162	29.00
		123-158 (reduced tip)	31.50

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




*Order codes 123-000, 123-020, 123-028 & 323-000 are not available in type T thermocouple

WATERPROOF TYPE K THERMOCOUPLE PROBES

		Order code	£ each
PENETRATION PROBE  A HIGH ACCURACY Ø3.3 x 130 mm	This stainless steel, waterproof penetration probe is strong, versatile and incorporates a heavy-duty handle with a colour-coded end cap. Suitable for liquids and semi-solids. <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -75 to 250 °C 	● 143-161	37.00
		● 143-162	37.00
		● 143-164	37.00
		● 143-165	37.00
		○ 143-166	37.00
		● 143-167	37.00
REDUCED TIP PROBE  A HIGH ACCURACY Ø6.35 x 300 mm	This extended, waterproof, stainless steel probe incorporates a reduced tip (Ø4.5 x 25 mm) and heavy-duty ribbed handle, ideal for heavy-duty applications including food processing, asphalt and other similar materials. <ul style="list-style-type: none"> • Response time less than 7 seconds • Probe temperature range -75 to 250 °C 	143-120	50.00
		343-120 (coiled lead)	51.00
BELL SURFACE PROBE  Ø19 x 130 mm	These fast response, waterproof heavy-duty surface probes utilise a bell-shaped housing with a thin, flat, stainless steel measuring disc that ensures a fast, accurate response. Ideal for measuring a variety of surface temperatures. <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -75 to 200 °C 	143-080 (straight)	57.00
		143-084 (45° angle)	57.00
		143-086 (90° angle)	57.00
WATERPROOF FLOW PROBE  A HIGH ACCURACY Ø4.5 x 300 mm	These fast response, waterproof T-Shaped flow probes, are suitable for measuring air or water flow temperatures in a variety of applications. The shielded exposed junction thermocouple ensures a fast and accurate response to changes in temperature. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	143-310	49.00
		343-310 (coiled lead)	50.00

Please note: the above type K thermocouple probes are supplied with a moulded thermocouple connector and are waterproof to IP67 when connected to an instrument

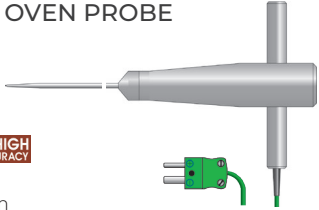
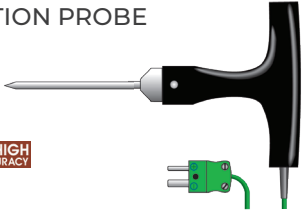
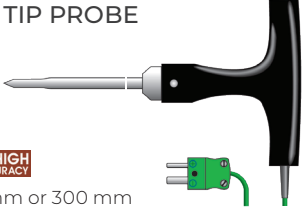
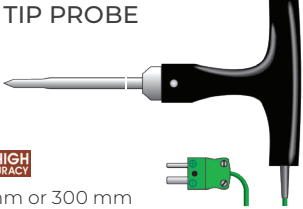
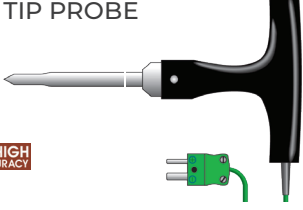
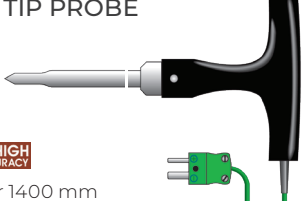
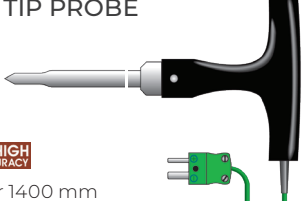
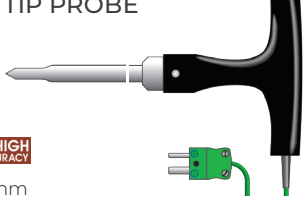
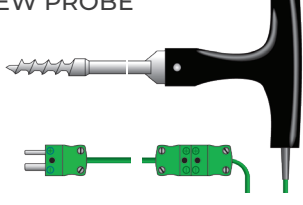
PLUG-MOUNTED TYPE K THERMOCOUPLE PROBES

		Order code	£ each
INTERCHANGEABLE PROBE HANDLE  Ø25 x 151 mm	This probe handle incorporates a miniature thermocouple socket, to be used in conjunction with our range of plug-mounted probes. Supplied with a one metre coiled PU lead and miniature plug.	323-950	26.00
PENETRATION PROBE  A HIGH ACCURACY A HIGH ACCURACY Ø3.3 x 80 or 120 mm	This stainless steel, penetration probe is strong, versatile and ideal for liquids or semi-solids. A fast response version with reduced tip (Ø1.8 x 25 mm) is also available. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	133-161 (120 mm)	22.00
		133-153 (120 mm reduced tip)	22.00
SURFACE PROBE  Ø8 x 120 mm	This stainless steel surface probe uses flat ribbon technology ensuring a fast, accurate response with minimal heat loss. A right-angled version is also available. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	133-045	27.00
		133-046 (right-angled)	25.00

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













HEAVY-DUTY TYPE K OR T THERMOCOUPLE PROBES

TEMPERATURE PROBES

			Order code	£ each
<p>T SHAPED OVEN PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø3.3 x 130 mm</p>	<p>This strong oven penetration probe incorporates a stainless steel T-shaped handle, and a two metre PTFE high temperature lead. Ideal for continuous monitoring applications or where a nylon or polypropylene handle cannot be used.</p> <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	133-174	67.00	
<p>PENETRATION PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø4 x 100 mm</p>	<p>This robust, stainless steel penetration probe incorporates a T-shaped polypropylene handle and is ideal for a variety of heavy-duty applications including food processing and other similar industries.</p> <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -75 to 250 °C 	133-124	45.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø6.35 x 100 mm or 300 mm</p>	<p>This robust, stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø4.5 x 25 mm) for faster response. Ideal for a variety of heavy-duty applications including food processing etc.</p> <ul style="list-style-type: none"> • Response time less than 9 seconds • Probe temperature range -75 to 250 °C 	133-126 (100 mm)	47.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø6.35 x 100 mm or 300 mm</p>	<p>This robust, stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø4.5 x 25 mm) for faster response. Ideal for a variety of heavy-duty applications including food processing etc.</p> <ul style="list-style-type: none"> • Response time less than 9 seconds • Probe temperature range -75 to 250 °C 	133-120 (300 mm)	52.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø8 x 500 mm</p>	<p>This extended robust, stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø6.35 x 25 mm) for faster response. Ideal for a variety of heavy-duty applications including food processing etc.</p> <ul style="list-style-type: none"> • Response time less than 20 seconds • Probe temperature range -75 to 250 °C 	133-130	62.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø9.5 x 1000 or 1400 mm</p>	<p>This Ø9.5 mm stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø6.35 x 25 mm) for faster response. Ideal for applications where a longer probe is required, i.e. grain silos.</p> <ul style="list-style-type: none"> • Response time less than 20 seconds • Probe temperature range -75 to 250 °C 	133-136 (1000 mm)	92.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø9.5 x 1000 or 1400 mm</p>	<p>This Ø9.5 mm stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø6.35 x 25 mm) for faster response. Ideal for applications where a longer probe is required, i.e. grain silos.</p> <ul style="list-style-type: none"> • Response time less than 20 seconds • Probe temperature range -75 to 250 °C 	133-135 (1400 mm)	115.00	
<p>REDUCED TIP PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø9.5 x 2000 mm</p>	<p>This extended stainless steel, reinforced probe incorporates a T-shaped polypropylene handle and a reduced sensing tip (Ø6.35 x 25 mm) for faster response. Ideal for applications where a very long probe is required, i.e. grain silos.</p> <ul style="list-style-type: none"> • Response time less than 20 seconds • Probe temperature range -75 to 250 °C 	133-133	125.00	
<p>CORKSCREW PROBE</p>  <p>A HIGH ACCURACY A HIGH ACCURACY</p> <p>Ø8 x 100 mm</p>	<p>This stainless steel probe incorporates a heavy-duty T-shaped polypropylene handle and a corkscrew design sensing tip. Ideal for industrial and food processing applications. Supplied with a one metre PU detachable lead.</p> <ul style="list-style-type: none"> • Response time less than 9 seconds • Probe temperature range -75 to 250 °C 	133-175	85.00	




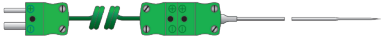


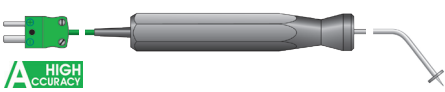



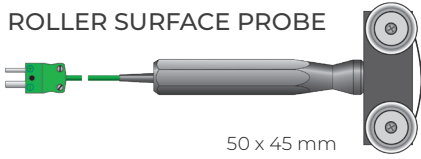


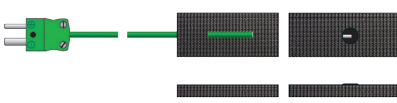
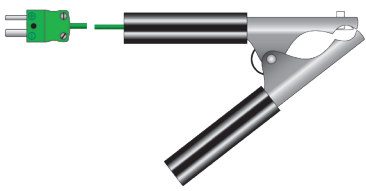
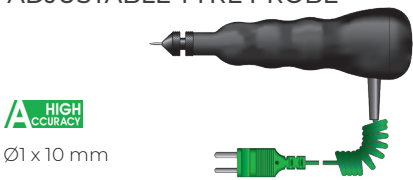

Please note: for handheld type T thermocouple probes, replace the third digit (3) of the order code with the number 7

FAST RESPONSE K OR T THERMOCOUPLE WIRE PROBES

		Order code	£ each
PTFE WIRE PROBE   $\varnothing 1.5 \times 1000$ or 2000 mm	This PTFE insulated, exposed junction wire probe is suitable for measuring the air temperature in fridges, freezers, ovens etc. Extended probe lengths over two metres are available upon request. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	133-362 (1000 mm)	10.50
		133-363 (2000 mm)	11.00
HEAVY-DUTY PTFE WIRE PROBE   $\varnothing 2.4 \times 1000$ or 2000 mm	This heavy-duty, PTFE insulated wire probe is ideal for measuring the air temperature in fridges, freezers, ovens etc. Extended probe lengths over two metres are available upon request. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	133-372 (1000 mm)	14.50
		133-373 (2000 mm)	16.50
FIBREGLASS WIRE PROBE   $\varnothing 1.5 \times 1000$ or 2000 mm	This fibreglass, exposed junction wire probe is ideal for measuring the air temperature of ovens, hot cupboards and similar appliances. Extended probe lengths over two metres are available upon request. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -60 to 350 °C 	133-382 (1000 mm)	13.00
		133-383 (2000 mm)	14.00
HIGH TEMPERATURE WIRE PROBE   $\varnothing 3 \times 1000$ or 2000 mm	This high temperature, fibreglass wire probe is insulated with a stainless steel braid and is ideal for ovens, hot cupboards and similar appliances. Supplied with a one or two metre stainless steel braided lead. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -60 to 600 °C 	133-387 (1000 mm)	17.00
		133-389 (2000 mm)	21.00
ATTACHMENT PADS  12 x 18 mm	These easy-to-use attachment pads are recommended for attaching small diameter wire thermocouples to surfaces. Supplied in packs of 25. <ul style="list-style-type: none"> • For use over the range of -50 to 200 °C 	600-485	6.00
PROBE EXTENSION LEAD - STRAIGHT  1000 or 2000 mm	This probe extension lead enables the user to connect to any ETI thermocouple type K probe, extending reach up to an additional 1000 or 2000 mm. Supplied with a PVC straight lead with MPK to MSK.	627-732 (1000 mm)	11.00
		627-733 (2000 mm)	12.00
PROBE EXTENSION LEAD - COILED  1000 or 2000 mm	This probe extension lead enables the user to connect to any ETI thermocouple type K probe, extending reach up to an additional 1000 or 2000 mm. Supplied with a PU coiled lead with MPK to MSK.	627-740 (1000 mm)	14.00
		627-741 (2000 mm)	21.00
MINIATURE PLUG OR SOCKET  16 x 19 mm 16 x 25 mm	Miniature thermocouple plugs and sockets are a must for accurate readings when joining probe cables. The flat pins (plug) and socket are manufactured from compatible thermocouple material and can accommodate wires up to $\varnothing 0.5$ mm. <ul style="list-style-type: none"> • Temperature range -50 to 105 °C 	625-217 (plug)	3.00
		421-501 (socket)	3.00













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

SPECIALIST TYPE K OR T THERMOCOUPLE PROBES

		Order code	£ each
MINIATURE PROBE   HIGH ACCURACY  HIGH ACCURACY Ø1.4 mm reducing to Ø1 mm tip x 50 mm	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. <ul style="list-style-type: none"> • Response time less than 1 second • Probe temperature range -75 to 250 °C 	133-180 (1m lead)	43.00
		133-182 (2m lead)	44.00
FAST RESPONSE MEAT PROBE   HIGH ACCURACY  HIGH ACCURACY Ø1 mm tip x 90 mm	This fast response, meat penetration probe is specially designed for measuring burger patties etc. Supplied with a one metre coiled lead. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	133-150	42.00
BURGER PROBE   HIGH ACCURACY  HIGH ACCURACY Ø4.5 x 45 x 160 mm (6 or 12 mm tip)	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. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -75 to 250 °C 	123-745 (6 mm tip)	50.00
		123-746 (12 mm tip)	41.00
MAGNET SURFACE PROBE  Ø24 x 28 mm	This magnet probe is supplied with a 500 mm PTFE lead. Ideal for monitoring the surface temperature of ferrous metals, e.g. radiators or hotplates. <ul style="list-style-type: none"> • Response time less than 30 seconds • Probe temperature range -20 to 80 °C 	133-017	42.00
ROLLER SURFACE PROBE  50 x 45 mm	These roller surface probes have either stainless steel or PTFE wheels and are designed for measuring moving surfaces. Max. speed 100 m/min. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	123-038 (s/steel)	140.00
		123-036 (PTFE)	140.00
WEIGHTED GRIDDLE SURFACE PROBE   NEW Ø64 x 120 mm	This griddle probe has been designed with a unique self-retracting fast-responding stainless-steel disc and is supplied with a one metre armoured lead. Measuring Ø64 x 120 mm <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -50 to 250 °C 	143-018 (armoured)	150.00
VELCRO PIPE PROBE  20 x 500 mm	This 500 mm wrap-around velcro pipe probe is suitable for both medium and large pipe temperature measurement in the HVAC industry. Supplied with a two metre lead. <ul style="list-style-type: none"> • Response time less than 30 seconds • Probe temperature range -10 to 100 °C 	133-080	35.00
PIPE CLAMP PROBE 	This robust, pipe clamp probe is suitable for measuring the surface temperature of pipes in refrigeration, heating and ventilating systems etc. Simple clamp-on design for simplicity of use, suitable for pipes from Ø6 to Ø30 mm. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -10 to 100 °C 	133-040	26.00
ADJUSTABLE TYRE PROBE   HIGH ACCURACY Ø1 x 10 mm	This fast response probe has an adjustable depth stop (1 to 10 mm) which the user can manually set. Specifically designed for measuring tyre temperatures, supplied with a one metre coiled lead and moulded thermocouple connector. Type K Only. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	343-100	45.00

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

THERMADATA® WIFI LOGGER THERMOCOUPLE PROBES

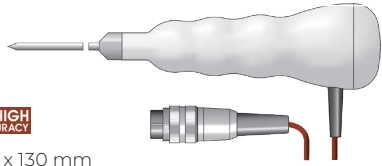
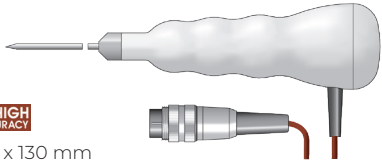
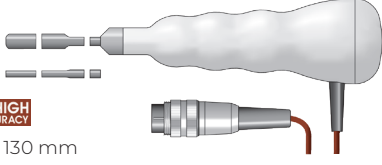

		Order code	£ each
GENERAL PURPOSE PROBE   $\varnothing 3.3 \times 100$ mm	This stainless steel probe is suitable for a wide range of applications. Supplied with a one, three or five metre PTFE insulated lead and connector. <ul style="list-style-type: none"> • Response time less than 5 seconds • Probe temperature range -75 to 250 °C 	133-158 (1000 mm)	24.00
		133-220 (3000 mm)	28.00
		133-222 (5000 mm)	32.00
FOOD SIMULANT PROBE   $9 \times 100 \times 100$ mm	This polypropylene simulant probe is designed for use in refrigeration, food storage and chill cabinets. Supplied with a one, three or five metre PTFE insulated lead and connector. <ul style="list-style-type: none"> • Probe temperature range -20 to 100 °C 	133-350 (1000 mm)	32.00
		133-352 (3000 mm)	37.00
		133-354 (5000 mm)	42.00
Ø4.8MM STANDARD PROBE   $\varnothing 4.8 \times 100$ mm	This Ø4.8 mm general purpose, stainless steel probe is ideal for a variety of applications. Supplied with a two metre PVC lead. <ul style="list-style-type: none"> • Response time less than 17 seconds • Probe temperature range -50 to 100 °C 	133-453	32.00
Ø6MM STANDARD PROBE   $\varnothing 6 \times 100$ mm	This Ø6 mm general purpose, stainless steel probe is ideal for a variety of applications. Supplied with a two metre PVC lead. <ul style="list-style-type: none"> • Response time less than 20 seconds • Probe temperature range -50 to 100 °C 	133-448	34.00
Ø6.35MM STANDARD AIR PROBE   $\varnothing 6.35 \times 150$ mm	This Ø6.35 mm stainless steel air or gas probe is ideal for measuring air temperatures in chill cabinets, fridges, freezer, storage areas or similar. Supplied with a two metre PVC lead. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -50 to 100 °C 	133-499	32.00
MINERAL INSULATED PROBES  $\varnothing 1.5 \times 180, 500$ or 1000 mm	These Ø1.5 mm high temperature MI probes can be bent to any shape without affecting performance. Supplied with a plain pot seal and a two metre PTFE lead. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -200 to 1100 °C 	133-420 (180 mm)	39.00
		133-421 (500 mm)	43.00
		133-422 (1000 mm)	47.00
MINERAL INSULATED PROBES  $\varnothing 3 \times 180, 500$ or 1000 mm	These Ø3 mm high temperature MI probes can be bent to any shape without affecting performance. Supplied with a plain pot seal and a two metre PTFE lead. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -200 to 1100 °C 	133-425 (180 mm)	43.00
		133-428 (500 mm)	47.00
		133-429 (1000 mm)	51.00

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

CUSTOMISED & SPECIAL TEMPERATURE PROBES

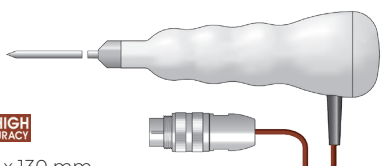

ETI manufactures a wide range of fully interchangeable, fast response and special probes to meet most customer requirements but, if the probe you need is not in our catalogue or on our website, ask a member of our sales team and we will do our best to manufacture the probe to your specification. It is vital to choose the correct probe for a specific purpose. If you have any requirements outside the specifications of our current range, please call our sales office on 01903 202151 or email technical@etiltd.com

LUMBERG CONNECTOR TYPE T THERMOCOUPLE PROBES

		Order code	£ each
<p>PENETRATION PROBE</p>  <p>A HIGH ACCURACY Ø3.3 x 130 mm</p>	<p>This stainless steel penetration probe is strong, versatile and incorporates a heavy-duty, ribbed, polypropylene handle with a white end cap. Ideal for measuring liquids, semi-solids and granular materials.</p> <ul style="list-style-type: none"> • Response time less than 5 seconds • Probe temperature range -75 to 250 °C 	177-166	40.00
<p>FAST RESPONSE PROBE</p>  <p>A HIGH ACCURACY Ø2.6 x 130 mm</p>	<p>This stainless steel, fast response, needle penetration probe incorporates a heavy-duty ribbed, polypropylene handle. Suitable for liquids and soft semi-solid materials including fish, fruit and other soft or delicate materials.</p> <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -75 to 250 °C 	177-100	51.00
<p>RIGID BETWEEN PACK PROBE</p>  <p>A HIGH ACCURACY Ø6 x 130 mm</p>	<p>This rigid, stainless steel, between pack probe is strong, versatile and incorporates a heavy-duty ribbed, polypropylene handle. The probe has been specifically designed to measure between packs or boxes of produce.</p> <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -75 to 250 °C 	177-060	50.00
<p>AIR OR GAS WIRE PROBE</p>  <p>A HIGH ACCURACY Ø2.4 x 1000 mm PTFE lead</p>	<p>This fast response, air or gas wire probe is ideal for measuring air temperatures in fridges, freezers, chill cabinets and similar. Supplied complete with a one metre PTFE lead.</p> <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -75 to 250 °C 	177-372	24.00





Please note: the above type T thermocouple probes are suitable for use with the Therma 22 & Therma 22 Plus

WATERPROOF TYPE T THERMOCOUPLE PROBES

		Order code	£ each
<p>PENETRATION PROBE</p>  <p>A HIGH ACCURACY Ø3.3 x 130 mm</p>	<p>This waterproof, stainless steel, penetration probe with Lumberg connector is strong, versatile and incorporates a heavy-duty, ribbed, polypropylene handle with a white end cap. Ideal for measuring liquids, semi-solids and granular materials.</p> <ul style="list-style-type: none"> • Response time less than 5 seconds • Probe temperature range -75 to 250 °C 	177-266	47.50
<p>PENETRATION PROBE</p>  <p>A HIGH ACCURACY Ø3.3 x 100 mm</p>	<p>This waterproof, stainless steel, plug-mounted probe with Lumberg connector is strong, versatile and ideal for measuring liquids, semi-solids and granular materials.</p> <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -75 to 250 °C 	177-200	46.50



Please note: the above type T thermocouple probes (177-266 & 177-200) are suitable for use with the Therma 22 Plus and are waterproof to IP67 when connected to an instrument

PT100 CLASS A TEMPERATURE PROBES

		Order code	£ each
PENETRATION PROBE  Ø3.3 x 130 mm	This stainless steel penetration probe is strong, versatile and ideal for measuring liquids and semi-solids accurately in a variety of applications. <ul style="list-style-type: none"> • Response time less than 6 seconds • Probe temperature range -100 to 200 °C 	160-160	68.00
AIR OR GAS PROBE  Ø3.3 x 130 mm	This stainless steel air or gas probe is ideal for measuring air or gas temperatures accurately in rooms and ducts in HVAC and industrial applications. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -100 to 200 °C 	160-300	66.00
LIQUID PROBE  Ø3.3 x 130 mm	This liquid probe features a rigid, stainless steel stem with a flat tip. The probe is suitable for accurate temperature measurement in a wide variety of laboratory applications. <ul style="list-style-type: none"> • Response time less than 6 seconds • Probe temperature range -100 to 200 °C 	160-220	68.00
AIR OR GAS WIRE PROBE  Ø3.7 x 30 mm with 1000 mm FEP lead	This FEP insulated air or gas wire probe is ideal for measuring air or gas temperatures accurately in a variety of HVAC and industrial applications. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -100 to 200 °C 	160-372	55.50

Please note: the above PT100 Class A probes are suitable for use with the Precision 0.1 °C thermometer


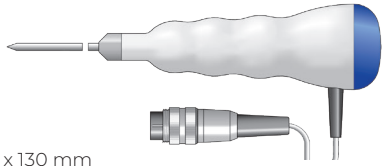
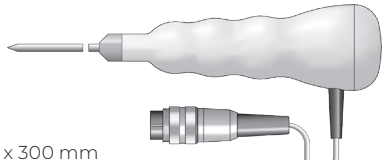
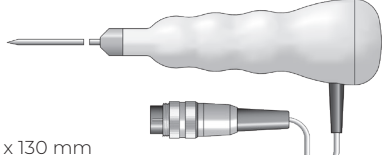
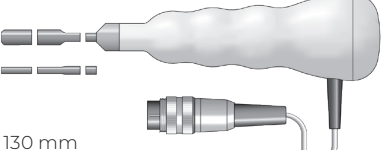
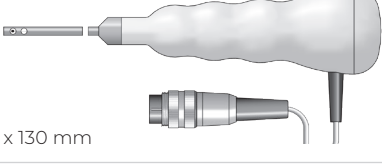
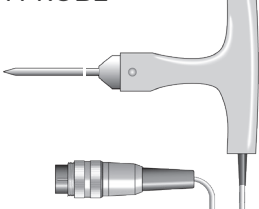
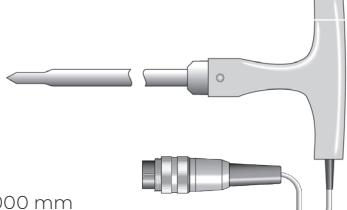
PT100 1/10TH DIN TEMPERATURE PROBES

		Order code	£ each
LIQUID PROBE  Ø3.3 x 130 mm	This handheld liquid probe features a rigid, stainless steel stem with a flat tip. Suitable for high accuracy temperature measurement in a wide variety of laboratory applications. <ul style="list-style-type: none"> • Response time less than 8 seconds • Probe temperature range -200 to 300 °C 	160-222	100.00
LIQUID PROBE  Ø4.8 x 250 mm with 2000 mm PTFE lead	This liquid probe features a rigid, stainless steel stem with a flat tip. Suitable for high accuracy temperature measurement in a wide variety of laboratory applications. <ul style="list-style-type: none"> • Response time less than 14 seconds • Probe temperature range -200 to 300 °C 	160-446	130.00

Please note: accuracy of the above PT100 1/10th DIN probes is ±0.03 °C ±0.1 % of reading between -100 °C to 200 °C otherwise ±0.2 % of reading. The above probes are suitable for use with the Precision Plus 0.01 °C thermometer

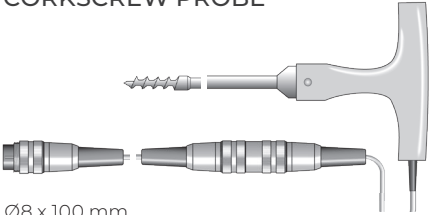



All PT100's listed on this page are fitted with a Binder Plug.

NTC THERMISTOR PROBES WITH LUMBERG CONNECTOR

		Order code	£ each
	PENETRATION PROBE  Ø3.3 x 130 mm	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. <ul style="list-style-type: none"> ● Response time less than 5 seconds ● Probe temperature range -40 to 150 °C 	<ul style="list-style-type: none"> ● 174-161 35.00 ● 174-162 35.00 ● 174-164 35.00 ● 174-165 35.00 ● 174-166 35.00 ● 174-167 35.00
	PENETRATION PROBE  Ø3.3 x 300 mm	This extended, stainless steel penetration probe is strong, versatile and incorporates a heavy-duty, ribbed, polypropylene handle with a white end cap. Ideal for measuring liquids, semi-solids and granular materials. <ul style="list-style-type: none"> ● Response time less than 5 seconds ● Probe temperature range -40 to 150 °C 	174-168 40.00
	FAST RESPONSE PROBE  Ø2.6 x 130 mm	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. <ul style="list-style-type: none"> ● Response time less than 4 seconds ● Probe temperature range -40 to 150 °C 	174-100 40.00
	RIGID BETWEEN PACK PROBE  Ø6 x 130 mm	This rigid, stainless steel between pack probe is strong, versatile and incorporates a heavy-duty ribbed, polypropylene handle. The probe has been specifically designed to measure between packs or boxes of produce. <ul style="list-style-type: none"> ● Response time less than 3 seconds ● Probe temperature range -40 to 150 °C 	174-060 50.00
	AIR OR GAS PROBE  Ø3.3 x 130 mm	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. <ul style="list-style-type: none"> ● Response time less than 2 seconds ● Probe temperature range -40 to 150 °C 	174-300 38.00
	PENETRATION PROBE  Ø4 x 100 mm	This robust, stainless steel penetration probe incorporates a heavy-duty, T-shaped polypropylene handle. The strong, durable probe is suitable for a wide variety of heavy-duty, general purpose industrial or food processing applications. <ul style="list-style-type: none"> ● Response time less than 4 seconds ● Probe temperature range -40 to 150 °C 	170-169 44.50
REDUCED TIP PROBE  Ø9.5 x 1000 mm	This extended, robust Ø9.5 mm stainless steel reinforced probe incorporates a heavy-duty, T-shaped polypropylene handle and a reduced sensing tip (Ø6.35 x 25 mm) for faster response. Ideal for a wide variety of heavy-duty, general purpose industrial or food processing applications. <ul style="list-style-type: none"> ● Response time less than 15 seconds ● Probe temperature range -40 to 150 °C 	170-136 90.00	

Please note: the above NTC thermistor probes are suitable for use with the Therma 20, 22, 22 Plus & 8100 Plus

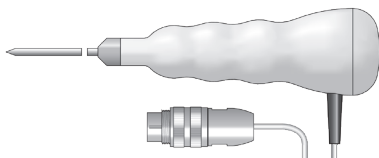

NTC THERMISTOR PROBES WITH LUMBERG CONNECTOR

		Order code	£ each
CORKSCREW PROBE  Ø8 x 100 mm	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. <ul style="list-style-type: none"> • Response time less than 9 seconds • Probe temperature range -40 to 150 °C 	170-175	99.00
FOOD SIMULANT PROBE  9 x 100 x 100 mm	This polypropylene probe is designed for use in food storage, chill cabinets and refrigeration where simulation of food temperature is required. The probe incorporates a one metre PUR /PVC lead and compatible Lumberg connector. <ul style="list-style-type: none"> • Probe temperature range -20 to 100 °C 	170-350	42.50
AIR OR GAS WIRE PROBE  Ø3.7 x 30 mm with 1000 mm FEP lead	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. <ul style="list-style-type: none"> • Response time less than 2 seconds • Probe temperature range -40 to 150 °C 	170-372	23.00
FOIL BETWEEN PACK PROBE  40 x 50 mm with 1000 mm FEP lead	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. <ul style="list-style-type: none"> • Response time less than 3 seconds • Probe temperature range -20 to 75 °C 	170-090	29.00

Please note: the above NTC thermistor probes are suitable for use with the Therma 20, 22, 22 Plus & 8100 Plus

TEMPERATURE PROBES

WATERPROOF NTC THERMISTOR PROBES

		Order code	£ each
PENETRATION PROBE  Ø3.3 x 130 mm	This waterproof, stainless steel penetration probe with Lumberg connector is versatile, strong and incorporates a heavy-duty, ribbed, polypropylene handle with a white end cap. Ideal for measuring liquids, semi-solids and granular materials. <ul style="list-style-type: none"> • Response time less than 5 seconds • Probe temperature range -40 to 150 °C 	174-266	43.50
PENETRATION PROBE  Ø3.3 x 100 mm	This waterproof, stainless steel plug-mounted penetration probe with Lumberg connector is versatile and strong. Ideal for measuring liquids, semi-solids and granular materials in a wide variety of applications. <ul style="list-style-type: none"> • Response time less than 4 seconds • Probe temperature range -40 to 150 °C 	172-000	52.00

Please note: the above NTC thermistor probes (174-266 & 172-000) are suitable for use with the Therma 22 Plus & 8100 Plus and are waterproof to IP67 when connected to an instrument