

Therma Differential Thermometer

two channel, T1 or T2 or T1 minus T2 differential

- ideal for radiator balancing or HVAC applications
- FREE traceable certificate of calibration
- backlight, max/min & hold functions
- integrated rubber seal for durability

The Therma Differential is a digital thermometer that allows the user to use two type K thermocouple probes simultaneously. The display can be switched to show probe T1 or T2 temperature or the difference between probes T1 and T2 (T1-T2). This allows, for example, the temperature drop across radiators or the temperature rise or fall of two items to be measured.

The Therma Differential measures temperature over the range of -99.9 to 299.9 °C with a 0.1 °C resolution or 300 to 1372 °C with a 1 °C resolution. The thermometer features a custom, LCD display with °C, T1, T2, diff, hold, open circuit, low battery indication and an optional backlight. The unit incorporates an auto-power off facility that automatically turns the instrument off after approximately ten minutes, maximising battery life.

Each unit is housed in a durable, ABS case that has an integrated rubber seal to ensure complete water tightness and help reduce the possibility of damage in harsh environments.

ETI offer an extensive range of interchangeable type K thermocouple probes, for a variety of different applications, see pages 49 to 54 for full details.



optional accessories

- protective silicone boot c/w foot stand and magnet for mounting on pipes, radiators etc.. (830-258)
- UniWipes - ideal for cleaning probes and everyday work surfaces - see page 27



order code	description
231-022	Therma Differential
830-258	protective silicone boot
<i>the Therma Differential is exclusive of probe</i>	



specification	Therma Differential
range 0.1 °C	-99.9 to 299.9 °C
range 1 °C	300 to 1372 °C
resolution	0.1 °C to 299.9 °C thereafter 1 °C
accuracy	±0.4 °C ±0.1 % of reading
battery	3 x 1.5 volt AAA
battery life	7500 hours
sensor type	K thermocouple
display	15 mm LCD
dimensions	32 x 71 x 141 mm
weight	220 grams
<i>FREE traceable certificate of calibration included</i>	



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HVAC Thermometer Kit

excellent value for money - FREE carrying case

This thermometer kit is designed for specific industrial applications. For a full specification on the Differential thermometer see page 39. This kit represents excellent value for money as it is supplied in a FREE carrying case.

each kit contains:

- Differential thermometer (231-022)
- penetration probe (123-160)
- 2 x pipe clamp probes (133-040)
- ABS carrying case (834-300)



order code description

860-090 HVAC thermometer kit
FREE traceable certificate of calibration included



Legionnaires' Thermometer Kit

temperature monitoring of water

Incorrect water temperature is a key risk factor for legionella growth. The legionella bacteria multiply in water at temperatures between 20 to 45 °C, particularly if a supply of nutrients is present, such as scale, rust, sludge or algae. A typical method of control is to store cold water below 20 °C. Hot water should be stored above 60 °C and distributed above 50 °C.

each kit contains:

- Therma 1 thermometer (221-041)
- penetration probe (123-160)
- precision ribbon surface probe (123-030)
- PTFE wire probe (133-362)
- countdown timer (806-150)
- tub of 40 UniWipes (836-032)
- ABS carrying case (834-150)



order code description

860-860 Legionnaires' thermometer kit



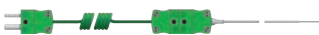

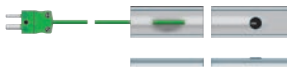

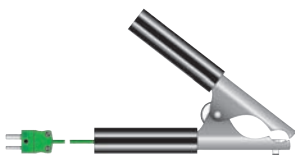



 THERMOLAB

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Special Temperature Probes

type K thermocouple

		order code
<p>miniature needle probe</p>  <p>Ø1.4 reducing to Ø1 mm tip x 50 mm</p>	<p>This miniature, stainless steel needle probe is supplied with a one metre PTFE lead. Ideal for measuring small semi-solid items. Response time less than one second. Probe temperature range -60 to 250 °C.</p>	133-180
<p>magnet surface probe</p>  <p>Ø24 x 28 mm</p>	<p>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. Response time less than 20 seconds. Probe temperature range -20 to 80 °C.</p>	133-017
<p>fast response meat probe</p>  <p>Ø1 mm tip x 90 mm</p>	<p>This fast response, meat penetration probe is specially designed for measuring burger patties etc. Supplied with a one metre coiled lead. Response time less than one second. Probe temperature range -60 to 250 °C.</p>	133-150
<p>Sous Vide needle probe</p>  <p>Ø1.1 x 60 or 120 mm</p>	<p>This miniature, stainless steel needle probe is supplied with a one metre PTFE lead. The needle probe is ideal for Sous Vide cooking. Response time less than one second. Probe temperature range -60 to 250 °C.</p>	133-109 (60 mm) 133-110 (120 mm)
<p>velcro pipe probe</p>  <p>20 x 500 mm</p>	<p>This 500 mm wrap-around velcro pipe probe is suitable for medium and large pipe temperature measurement in the HVAC industry. Response time less than 20 seconds. Probe temperature range -10 to 100 °C.</p>	133-080
<p>black ball probe</p>  <p>Ø50 mm</p>	<p>This black ball probe is designed to measure the radiation temperatures in kilns and ovens. Supplied with a two metre stainless steel braided lead. Response time less than six seconds. Probe temperature range 0 to 200 °C.</p>	133-475
<p>pipe clamp probe</p>  <p>for pipes from Ø6 to Ø30 mm</p>	<p>This robust, pipe clamp temperature probe is suitable for measuring the surface temperature of pipes in refrigeration, heating and ventilating systems etc. Response time less than two seconds. Simple clamp-on design for simplicity of use. Probe temperature range -10 to 100 °C.</p>	133-040
<p>NEW adjustable tyre probe</p>  <p>Ø1 x 10 mm</p>	<p>This fast response tyre probe has an adjustable depth stop (0 to 10 mm) designed for measuring tyre temperatures. Supplied with a one metre coiled lead. Response time less than 0.5 of a second. Probe temperature range -60 to 250 °C.</p>	343-100

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



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