

# INDUSTRIAL THERMOMETERS



Industrial thermometers are designed for a wide range of applications that may require more robust or specific styles of thermometer to ensure consistently accurate readings. Common applications include:

- HVAC
- Water temperature measuring
- Manufacturing
- Facilities management

## CHOOSING AN INDUSTRIAL THERMOMETER

When selecting a thermometer for your industrial application, some common features to consider are:

- **Waterproofness:** protection from water and dust
- **Range:** the highest and lowest temperatures required
- **Accuracy:** the potential margin for error
- **Hold:** locking readings on-screen for easy recording
- **Max/min:** the maximum and minimum temperatures over a period

## THERMOMETER KITS

Some types of common temperature checks usually require certain probes or accessories to go alongside their thermometer. For example, HVAC engineers often use two clamp probes for radiator balancing. In addition, legionella risk assessments can benefit from a timer to ensure the water runs for the correct length of time.

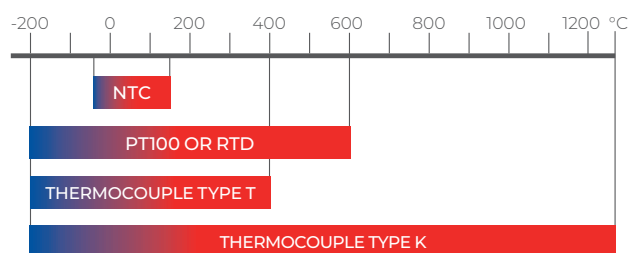
Our thermometer kits are specifically tailored to these requirements, including all of the essential equipment typically needed for these checks. They're also packed in a handy carrying case, which makes transporting the equipment to different locations easy.

## SENSOR TYPES

Our digital thermometers and probes use three sensor types: thermocouple, thermistor and RTD (PT100).

Thermocouple thermometers have a fast response and wide temperature range, suitable for most general applications. They have different types of connectors: types K and T are the most common.

Thermistor and PT100 thermometers are more accurate but slower to respond, so are best for when accuracy is a priority. Thermistor probes also tend to have a narrower temperature range.



# THERMA 1, 3 & ELITE THERMOMETERS

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

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

The Therma 1 and 3 feature large, easy-to-read, LCD displays with open circuit 'Err', hold and low battery indication. Each thermometer is powered by three AAA batteries that give a minimum of 10,000 hours of battery life. The units will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if not required.

We offer an extensive range of interchangeable type K thermocouple probes for a variety of different applications, see pages 77 to 83 for full details.

- **Therma Elite thermometer**

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



model available  
see page 58



### OPTIONAL ACCESSORIES:

- Protective silicone cover - the Therma series is splashproof to IP64 when used in conjunction with this cover. Various colours are available - see page 14 for details
- Stainless steel wall bracket (screws not supplied) & protective black silicone cover (832-053)

Penetration probe  
(123-160)



Order code	Description	£ each
221-041	Therma 1*	65.00
221-043	Therma 3	60.00
221-061	Therma Elite	70.00
123-160	Penetration probe	32.00
830-227	Protective silicone cover - black	8.00
832-053	S/steel wall bracket & cover	17.00

The Therma series is exclusive of probe  
\*Therma 1 Type T version available. See page 15

Specification	Therma 1/Elite	Therma 3
Range 0.1 °C	-99.9 to 299.9 °C	N/A
Range 1 °C	300 to 1372 °C	-100 to 1372 °C
Resolution	0.1 °C & 1 °C	1 °C
Accuracy	$\pm 0.4$ °C $\pm 0.1$ %	$\pm 1$ °C
Battery & life	3 x 1.5 volt AAA - 10,000 hours	
Sensor type	K thermocouple	
Display	12 mm LCD	
Dimensions	25 x 56 x 128 mm	
Weight	130 grams	

FREE traceable certificate of calibration included

INDUSTRIAL

# THERMA WATERPROOF THERMOMETERS

- Interchangeable thermocouple probes
- Waterproof IP66/67, robust design
- Integrated rubber seal for durability
- Large, easy-to-read backlit LCD

The Therma Waterproof thermometer is housed in a robust waterproof ABS case which offers IP66/67 protection and helps reduce the possibility of damage in harsh environments. The thermometer utilises state of the art electronic circuitry, designed for reliability and ease of use and can be submerged or washed under a running tap - ideal for industrial applications.

The Type K thermometer measures temperature over the range of -99.9 to 299.9 °C with a 0.1 °C resolution, auto-ranging to 1 °C resolution over the range of 300 to 1372 °C, whilst the Type T measures temperature over the range of -100 to 400 °C with a 0.1 °C resolution, auto-ranging to 1 °C resolution over the range of 300 to 400 °C

The Therma Waterproof thermometers features a large easy-to-read, LCD display with max/min, hold, open circuit, low battery indication and a user selectable backlight. The unit also incorporates an auto-power-off facility that automatically turns the instrument off after ten minutes, maximising battery life.

We offer an extensive range of interchangeable type K and type T thermocouple probes, for a variety of different applications, see pages 77 to 83 for full details.



Waterproof penetration probe (143-162)

## OPTIONAL ACCESSORIES:

- Protective silicone cover. Various colours are available. See page 20 for details
- Probe Wipes - helps reduce bacterial growth. See page 40.



Waterproof penetration probe Type T (147-162)

Order code	Description	£ each
232-101	Therma Waterproof - Type K	90.00
232-107	Therma Waterproof - Type T	90.00
143-162	Penetration probe - Type K	37.00
147-162	Penetration probe - Type T	37.00
830-257	Protective silicone cover - black	10.00

The Therma Waterproof is exclusive of probe



Specification	Therma Waterproof
Range 0.1 °C - Type K & T	-99.9 to 299.9 °C
Range 1 °C - Type K	300 to 1372 °C
Range 1 °C - Type T	300 to 399.9 °C
Resolution	0.1 °C to 299.9 °C thereafter 1 °C
Accuracy - Type K	±0.4 °C ±0.1 % of reading
Accuracy - Type T	±0.2 °C ±0.1 % of reading
Battery	3 x 1.5 volt AAA
Battery life	10,000 hours
Sensor type - Type K	K thermocouple
Sensor type - Type T	T thermocouple
Display	15 mm LCD
Dimensions	32 x 71 x 141 mm
Weight	220 grams

FREE traceable certificate of calibration included



# LEGIONNAIRES' THERMOMETER KITS

- For routine water temperature monitoring
- Excellent value-for-money

Incorrect water temperature is a key risk factor for legionella growth. The legionella bacteria multiply in water at temperatures between 20 to 45 °C. A typical method of control is to store hot water above 60 °C and distribute it at above 50 °C (care must be taken to prevent scalding). Cold water should be kept below 20 °C. These kits represent excellent value-for-money and are supplied in a robust ABS carrying case/zip pouch. For a full specification on the Therma 1, see page 65



## LEGIONNAIRES' STANDARD THERMOMETER KIT

### Each kit contains:

- Therma 1 thermometer (221-041)
- Waterproof surface immersion probe (323-046)
- Heavy-duty PTFE wire probe (133-372)
- Zip pouch (830-037)



Order code	Description	£ each
860-885	Legionnaires' Standard kit	109.50
FREE traceable certificate of calibration included		



## LEGIONNAIRES' PREMIUM THERMOMETER KIT

### Each kit contains:

- Therma 1 thermometer (221-041)
- Penetration probe (123-160)
- Precision ribbon surface probe (123-030)
- PTFE wire probe (133-362)
- Water-resistant countdown timer (806-150)
- Box of 100 Probe Wipes (836-220)
- ABS carrying case (834-150)



Order code	Description	£ each
860-860	Legionnaires' Premium kit	165.00
FREE traceable certificate of calibration included		

## LEGAL RESPONSIBILITIES FOR TESTING FOR LEGIONELLA

As an employer or the person in control of premises, it's your legal responsibility to conduct a risk assessment for exposure to legionella. The revised Approved Code of Practice (ACOP) Legionnaires' disease: Control of Legionella Bacteria in water systems (L8), issued by the Government's Health and Safety Executive (HSE), extends the guidance on controlling legionella bacteria in water systems. The code applies to all hot and cold water systems in the workplace, regardless of their capacity. While domestic systems may pose a risk, the code only applies to risks arising from work activities. However, it does include domestic landlords who have a responsibility to keep their tenants safe from health hazards. This means that all employers and landlords who manage premises with hot/cold water systems and/or wet cooling systems must identify any risk of contamination and take steps to prevent or control it.



# THERMA DIFFERENTIAL THERMOMETER

- Robust, waterproof case offering IP66/67 protection
- Ideal for radiator balancing or HVAC applications
- Designed for plumbers, reliable & easy-to-use
- Backlit LCD with max/min & hold functions

The Therma Differential is a digital thermometer that allows the user to operate 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 being 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 unit features a custom, LCD display with °C/°F, T1, T2, diff, hold, open circuit, low battery indication and a user selectable backlight, plus an auto-power-off facility that automatically turns the instrument off after ten minutes, maximising battery life.

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.

We offer an extensive range of interchangeable type K thermocouple probes, for a variety of different applications, see pages 77 to 83 for full details.



## HVAC STANDARD THERMOMETER KIT

### Each kit contains:

- Therma Differential thermometer (231-022)
- 2 x pipe clamp probes (133-040)
- Zip pouch (830-090)



HVAC thermometer kits are ideal for a wide range of plumbing and heating applications. The kits can be used to monitor both cold and hot water temperatures as well as undertake other routine HVAC checks.

Order code	Description	£ each
231-022	Therma Differential	94.00
860-090	HVAC Premium thermometer kit	178.50
860-095	HVAC Standard thermometer kit	128.00
830-258	Protective silicone cover - black	14.00
133-040	Pipe clamp probe	26.00
832-015	Stainless steel wall bracket	15.00

The Therma Differential is exclusive of probe

## HVAC PREMIUM THERMOMETER KIT

### Each kit contains:

- Therma Differential thermometer (231-022)
- Precision ribbon surface probe (123-030)
- Penetration probe (123-160)
- 2 x pipe clamp probes (133-040)
- ABS carrying case (834-300)



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	7,500 hours
Sensor type	K thermocouple
Display	15 mm LCD
Dimensions	32 x 71 x 141 mm
Weight	220 grams

**FREE traceable certificate of calibration included**

# MICROTHERMA 1 THERMOMETER

- $\pm 0.2\text{ }^{\circ}\text{C}$  high accuracy,  $0.1\text{ }^{\circ}\text{C}$  resolution over the full range
- Multi-input type K, J, T, R, N, S & E thermocouple probes
- In-built microprocessor for automatic recalibration
- FREE traceable certificate of calibration

The MicroTherma 1 microprocessor thermometer measures temperature over the range of  $-270$  to  $1768\text{ }^{\circ}\text{C}$  with a  $0.1\text{ }^{\circ}\text{C}/^{\circ}\text{F}$  resolution. Each MicroTherma 1 incorporates an easy-to-read, LCD display with open circuit, low battery, hold, max/min and  $^{\circ}\text{C}/^{\circ}\text{F}$  indication.

The thermometer should never need re-calibrating as the microprocessor enables the instrument to continuously and automatically carry out self-diagnostic recalibration. An additional feature allows the user to adjust the reading ( $\pm 2.5\text{ }^{\circ}\text{C}$ ) to offset any probe errors, correcting any inaccuracies of the thermocouple probe.

Each thermometer thereafter will automatically store, display the offset and adjust the instrument for the known probe error, maximising system accuracy.

The MicroTherma 1 has the versatility of accepting any type K, J, T, R, N, S & E thermocouple probe, the probe type is simply selected through the mode button. The unit incorporates both max and min readings with a reset function and also features an auto-power-off facility that maximises the battery life, turning the instrument off automatically after 30 minutes, this function can be disabled by the user, if not required. Other selectable parameters include: display contrast and internal CJC temperature reading. For details of the wide range of type K or type T thermocouple probes available, see pages 77 to 83.



High temperature probe (123-212)



Air probe (127-300)



- Acrylic wall bracket (screws not supplied). Ideal for storing your thermometer safely when not in use (832-115)



- Protective silicone cover - black. Protect your instrument against accidental damage by fitting a cover (830-205)



Order code	Description	£ each
221-091	MicroTherma 1	147.00
123-212	High temperature probe	37.00
127-300	Air probe	31.50
830-205	Protective silicone cover - black	8.50
832-115	Acrylic wall bracket	10.00

The MicroTherma 1 is exclusive of probe

Specification	MicroTherma 1
Range	$0.1\text{ }^{\circ}\text{C}$ - $270$ to $1768\text{ }^{\circ}\text{C}$
Resolution	$0.1\text{ }^{\circ}\text{C}/^{\circ}\text{F}$
Accuracy	$\pm 0.2\text{ }^{\circ}\text{C} \pm 1$ digit
Battery	2 x 1.5 volt AAA
Battery life	1,000 hours
Sensor type	K, J, T, R, N, S & E thermocouple - selectable
Display	Custom LCD
Dimensions	35 x 73 x 141 mm
Weight	175 grams

FREE traceable certificate of calibration included

# PRECISION PT100 THERMOMETERS

- High accuracy  $\pm 0.2$  °C or 0.05 °C
- Interchangeable PT100 probes
- 0.1 °C or 0.01 °C resolution
- Meets the European Standard EN 13485

High accuracy is one of the notable features of the Precision thermometers. There are two models available, the Precision and Precision Plus. The Precision measures temperature over the range of -199.9 to 850 °C with a 0.1 °C resolution and high accuracy of  $\pm 0.2$  °C. The Precision Plus measures temperature over the range of -199.99 to 299.99 °C with a 0.01 °C resolution and high accuracy of  $\pm 0.05$  °C. **Please note:** the range and accuracies quoted are for the instruments only.

Conveniently located on the front of the instrument are the on/off, max/min and display hold buttons. The Binder probe socket is positioned at the top of the instrument which enables a variety of probes to be used depending on the application.

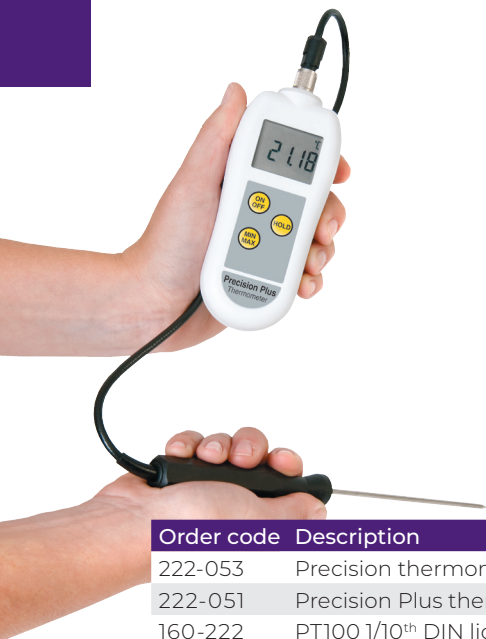
The Precision thermometers feature a large, easy-to-read, LCD display with open circuit 'Err' and low battery indication. Each thermometer is powered by three AAA batteries that give a minimum of 2,000 hours of battery life. The unit will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

We offer a range of interchangeable PT100 Class A probes for use with the Precision thermometer, see page 85 for full details. The Precision Plus is supplied with a PT100 1/10<sup>th</sup> DIN liquid probe (160-222) and a UKAS Certificate of Calibration. For regularly checking the accuracy of each Precision thermometer, a range of calibration PT100 test caps complete with a UKAS Certificate of Calibration are available, see page 105 for details.



PT100 1/10<sup>th</sup> DIN liquid probe (160-222)

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## OPTIONAL ACCESSORY:

- Protective silicone cover - the Precision/Precision Plus thermometers are splashproof to IP64 when used in conjunction with this cover. Various colours are available - see page 14.



Order code	Description	£ each
222-053	Precision thermometer	105.00
222-051	Precision Plus thermometer	230.00
160-222	PT100 1/10 <sup>th</sup> DIN liquid probe	100.00
830-221	Protective silicone cover - white	8.00
832-050	S/steel wall bracket & cover	17.00

The Precision is exclusive of probe  
The Precision Plus is inclusive of probe

Specification	Precision	Precision Plus
Range	-199.9 to 850 °C	-199.99 to 299.99 °C
Resolution	0.1 °C	0.01 °C
Accuracy	$\pm 0.2$ °C	$\pm 0.05$ °C
Battery & life	3 x 1.5 volt AAA - 2,000 hours	
Sensor type	PT100	
Display	10 mm LCD	
Dimensions	25 x 56 x 128 mm	
Weight	130 grams	

The Precision includes a traceable certificate of calibration  
The Precision Plus includes a UKAS Certificate of Calibration



# THERMAPEN® CLASSIC THERMOMETERS

- Choice of air, surface or penetration probe
- Lightweight, compact & easy-to-use
- High accuracy  $\pm 0.4$  °C
- One-handed operation

The Thermapen classic thermometer incorporates a large digital display with a precise read-out over the range of -49.9 to 299.9 °C with a 0.1 °C resolution. The resolution can be switched to 1 °C, if required, via a switch in the battery compartment.

The thermometer will power off automatically after ten minutes, maximising battery life. This feature can be disabled if not required. Both low battery (icon) and open circuit indication are also displayed, when applicable. Each Thermapen classic is powered by two lithium coin cell batteries with a minimum life expectancy of 1,500 hours.

The probe conveniently folds back through 180° into the side of the instrument when not in use. The casing is washable and includes Biomaster product protection that reduces bacteria growth and the ergonomic rubber seal minimises the risk of the ingress of water, dust or food.

## ● Choice of probe styles

The Thermapen classic thermometer is available with three styles of probe; surface, air or penetration. The fast response air probe is an invaluable tool in establishing the correct air temperature quickly in HVAC and laboratory applications. The surface probe is particularly useful in determining the temperature of hot plates or pipes etc. **Please note:** the accuracy and speed of response will be dependant on whether the surface is flat and heat transfer compound is used.

### OPTIONAL ACCESSORIES:

- Protective PVC wallet with belt strap (830-110)
- Protective silicone cover (830-260)
- Glow-in-the-dark silicone cover with magnets (830-265)
- Stainless steel wall bracket (832-002) screws not supplied

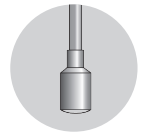


Order code	Description	£ each
231-210	Thermapen Classic - penetration probe	63.00
231-212	Thermapen Classic - surface probe	63.00
231-214	Thermapen Classic - air probe	63.00
830-260	Protective silicone cover	7.00
830-265	Silicone cover - glow in dark	9.50
830-110	Protective wallet	5.80
832-002	Stainless steel wall bracket	13.00
<b>The Thermapen is supplied in a zip pouch (830-001)</b>		



### WATERPROOF SURFACE PROBE

Ø8 x 95 mm



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

### PENETRATION PROBE

Ø3.3 x 108 mm



This strong and versatile probe incorporates a pointed, general purpose tip, ideal for insertion into liquids and semi-solids.

### AIR OR GAS PROBE

Ø3.3 x 95 mm



This fast response air or gas probe is ideal for measuring the air temperature in HVAC applications, laboratories and other temperature sensitive working areas.



Specification	Classic Thermapen
Range	-49.9 to 299.9 °C
Resolution	0.1 °C or 1 °C - user selectable
Accuracy	$\pm 0.4$ °C (-49.9 to 149.9 °C) or $\pm 1$ %
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1,500 hours
Sensor type	K thermocouple
Display	14.5 mm LCD
Dimensions	19 x 47 x 153 mm
Weight	97 grams
<b>FREE traceable certificate of calibration included</b>	

# THERMAGUARD® PHARM THERMOMETER

- External sensor(s) designed to simulate fridge contents temperature
- Two models available - single or dual external sensors
- Optional UKAS Calibration Certificate available
- Programmable high/low audible alarm

The ThermaGuard Pharm has been specifically designed for use in monitoring the storage and transportation temperatures of perishable items such as food, vaccines and medication. Each thermometer features a large LCD display, which simultaneously displays the current and max/min recorded temperatures.

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

Both ThermaGuard Pharm models feature a CalCheck 0.0 °C (±0.1 °C) function that allows the user to verify the accuracy of the thermometer at any time, giving confidence that measurements are accurate.

Each thermistor probe is encased in a sealed bottle. To begin monitoring, simply unscrew and top up with Glycol solution (50 ml bottle supplied).



- **Two models available with optional UKAS Certificate of Calibration**

The ThermaGuard Pharm 101 incorporates two temperature sensors; a remote water-resistant thermistor probe with a one metre PVC lead for monitoring the product temperature and an internal sensor to monitor room temperature. The ThermaGuard 102 incorporates two remote water-resistant thermistor probes, both with one metre PVC leads for monitoring dual applications. An optional two-point UKAS Certificate of Calibration is available. Each certificate indicates deviations from standards at -18 and 0 °C.

- **FREE wall bracket included**

Each ThermaGuard is supplied with an ABS plastic wall bracket that incorporates a built-in foot stand, a hook for hanging and a screw thread for tripod mounting.



## OPTIONAL ACCESSORIES:

- Protective silicone cover (830-880)
- Replacement Glycol solution 50 ml (816-035)
- Magnetic mount (830-800)



Order code	Description	£ each
226-911	ThermaGuard Pharm 101	91.00
891-911	ThermaGuard Pharm 101 & UKAS Cert	101.00
226-912	ThermaGuard Pharm 102	96.00
891-912	ThermaGuard Pharm 102 & UKAS Cert	106.00
830-880	Protective silicone cover - black	14.00
832-590	Replacement ABS wall bracket	4.50
830-800	Magnetic mount	9.00
816-035	Replacement Glycol solution - 50 ml	8.00

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

Specification	ThermaGuard Pharm
Range - internal	-19.9 to 49.9 °C (101 model only)
Range - external	-39.9 to 49.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.4 °C
Battery	2 x 1.5 volt AA
Battery life	25,000 hours (without alarm)
Sensor type	Thermistor
Display	Custom LCD
Dimensions	29 x 73 x 96 mm
Weight	165 grams

**Optional UKAS certificate of calibration available**

## Digital max/min thermometer



These digital max/min thermometers simultaneously display the actual temperature whilst displaying the max and min temperatures.

Each thermometer measures temperature over the range of -20 to 69.9 °C with a 0.1 °C/°F resolution.

The unit is housed in an ABS case measuring 29 x 79 x 187 mm. The instrument incorporates a slot for hanging and is powered by one AA battery (supplied).

Order code	Description	£ each
810-120	Digital max/min - white	12.00
810-121	Digital max/min - green	12.00

## Digital max/min thermometer



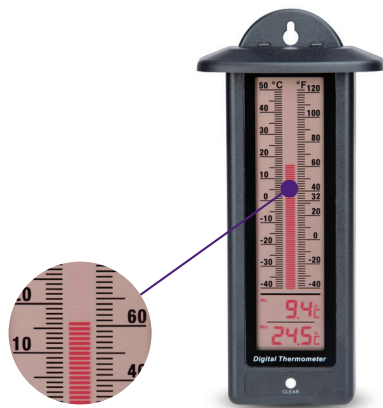
Remote probe

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

The thermometer features a large, easy to read LCD display, max/min memory function to record the highest and lowest temperatures and a high/low programmable audible alarm, ideal for frost alert. The unit incorporates two temperature sensors, a remote water resistant probe with one metre PVC lead for the appliance temperature and an internal sensor for the room temperature. Dimensions are 16 x 50 x 82 mm.

Order code	Description	£ each
810-125	Digital max/min thermometer	10.25

## LCD bar graph max/min thermometer



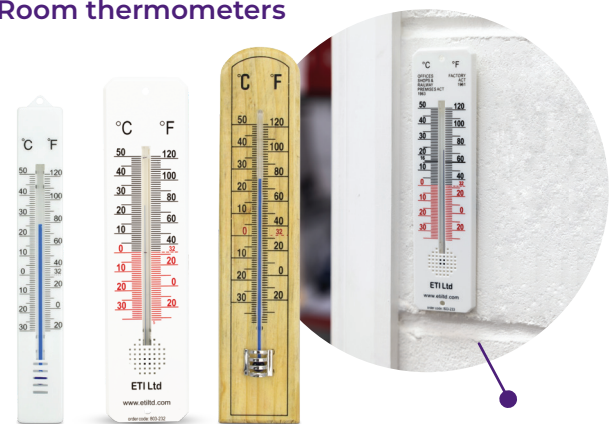
This digital max/min thermometer simultaneously displays the actual temperature whilst displaying the max and min temperatures on a digital LCD bar graph.

Measuring temperature over the range of -19.9 to 49.9 °C with a resolution of 0.1 °C/°F and an accuracy of ±1 °C. To reset the recorded max and min temperatures, simply press the white button on the front of the thermometer.

The unit is housed in a black ABS case measuring 20 x 66 x 212 mm, which incorporates a slot for hanging and is powered by a single AAA battery (supplied).

Order code	Description	£ each
810-105	Digital max/min - black	17.00

## Room thermometers



803-229

803-232

803-292

803-233 shown wall mounted

These spirit-filled, wall-mounted room thermometers display temperature over the range of -30 to 50 °C with an accuracy of ±1 °C and a clearly marked scale in both °C and °F.

Models 803-229, 803-232 and 803-233 are housed in a white, ABS plastic case whereas model 803-292 is housed in a smooth grained, traditional style, beechwood case. Model 803-233 indicates the Factory Act minimum working temperature of 16 °C.

Order code	Description	£ each
803-229	White 25 x 175 mm	1.80
803-232	White 45 x 195 mm	2.75
803-233	White 45 x 195 mm - Factory Act	2.75
803-292	Wooden 45 x 205 mm	3.60



# WALL-MOUNTED THERMOMETERS & HYGROMETERS

- Ideal for offices, warehouses, leisure centres & schools
- Indoor wall mounting
- Large, easy-to-read LED display
- Range -40 to 80 °C & 0 to 99 %rh

NEW for 2025, these large, easy-to-read LED wall-mounted thermometers simultaneously display temperature and humidity over the range of -40 to 80 °C and 0 to 99 %rh with a resolution of 0.1 °C or 0.1 %rh. They are ideal for continuously monitoring air temperature and humidity in numerous commercial environments.

The units come in three different sizes, all of which are designed to be wall-mounted indoors using the rear keyhole slot fixing.

**Please note:** these units are not suitable for outdoor locations.

The instruments feature large, bright red LED characters with a height of 45 mm (WM20), 75 mm (WM40), or 100 mm (WM60), which can be read clearly from a distance of over 20 metres.

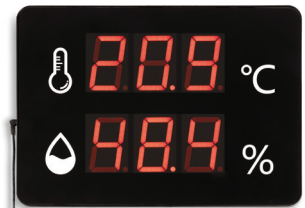
These wall-mounted thermometers and hygrometers are mains powered via a 5V USB mains adaptor (supplied) and come complete with a FREE temperature traceable certificate of calibration included.



825-886 shown wall mounted



WM20 25 x 175 x 210 mm



WM40 30 x 280 x 390 mm



WM60 32 x 400 x 600 mm



Large, bright LED characters which can be read clearly from a distance of over 20 metres.



825-882 shown wall mounted

Specification	WM20	WM40	WM60
Range - temperature		-40 to 80 °C	
Range - humidity		0 to 99 %rh	
Resolution - temperature		0.1 °C	
Resolution - humidity		0.1 %rh	
Accuracy - temperature		±0.5 °C (-10 to 50 °C)	
Accuracy - humidity		3 %rh (30 to 80 %rh)	
Power		5v 1A USB mains adaptor	
Display	Custom LED 45 mm, 75 mm & 100 mm high characters		
Dimensions	25 x 170 x 210 mm	30 x 280 x 390 mm	32 x 400 x 600 mm
Weight	500 grams	850 grams	2,340 grams
<b>FREE temperature traceable certificate of calibration included</b>			

Order code	Description	£ each
825-882	WM20 wall-mounted thermometer & hygrometer	55.00
825-884	WM40 wall-mounted thermometer & hygrometer	80.00
825-886	WM60 wall-mounted thermometer & hygrometer	140.00

# BI-METAL DIAL THERMOMETERS

## Ø25 mm bi-metal dials



These pocket-sized Ø25 mm dial thermometers feature a magnified lens and a pointed Ø4 x 130 mm stainless steel stem. Each dial is manufactured in three scales and is supplied with a FREE calibration spanner and probe cover complete with pocket clip.

The thermometer incorporates a calibration adjustment nut, at the rear of the dial to allow easy recalibration.

Order code	Description	Range	£ each
800-811	Ø25 mm dial	-40 to 70 °C	4.50
800-812	Ø25 mm dial	-10 to 110 °C	4.50
800-813	Ø25 mm dial	0 to 250 °C	4.50
830-220	Ø4 mm probe holder clip		1.80

## Ø45 mm bi-metal dials

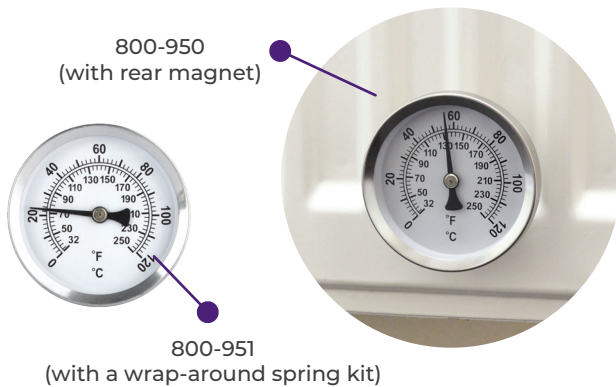


These pocket-sized Ø45 mm dial thermometers feature a pointed Ø4 x 130 mm stainless steel stem. Each dial is manufactured in three scales and is supplied with a FREE calibration spanner and probe cover complete with pocket clip.

The thermometer incorporates a calibration adjustment nut, at the rear of the dial to allow easy recalibration.

Order code	Description	Range	£ each
800-801	Ø45 mm dial	-40 to 70 °C	5.50
800-802	Ø45 mm dial	-10 to 110 °C	5.50
800-803	Ø45 mm dial	0 to 250 °C	5.50
830-220	Ø4 mm probe holder clip		1.80

## Ø60 mm bi-metal dial thermometers



These easy-to-use surface dial thermometers indicate temperature over the range of 0 to 120 °C or 32 to 250 °F. The Ø50 mm dial face has a clear, graduated scale indicating temperature in 2 °C and 4 °F divisions.

800-951 is supplied with a wrap-around stainless steel spring kit for pipe mounting (two springs - one for up to 15 mm pipes, the other for up to 53 mm pipes).

800-950 incorporates a magnetic sensing pad for mounting on ferrous metals. Ideal for monitoring the temperature of radiators and pipes.

Order code	Description	£ each
800-951	Pipe thermometer	14.00
800-950	Magnetic thermometer	17.00

## Heavy-duty bi-metal dial thermometers



These simple-to-use, heavy-duty, Ø50 mm bi-metal dial probe thermometers are reliable and accurate. The dial thermometers feature a Ø6.35 x 300 mm pointed stainless steel stem. Ideal for asphalt, blacktop, soil and other heavy-duty applications.

Each thermometer incorporates a clear acrylic face and a calibration adjustment nut at the rear of the dial. Three temperature scales are available - see below.

Order code	Description	Range	£ each
800-060	Ø50 mm dial	-20 to 60 °C	11.00
800-120	Ø50 mm dial	0 to 120 °C	11.00
800-250	Ø50 mm dial	0 to 250 °C	11.00