

# 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, 4½-digit dual 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 opposite and pages 77 to 83.



High temperature probe (123-212)

INDUSTRIAL



Air probe (127-300)

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

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



Order code	Description	
221-091	MicroTherma 1	4098829
123-212	High temperature probe	4098983
127-300	Air probe	4098927
830-205	Protective silicone boot - white	4098894
832-115	Acrylic wall bracket	4098909

The MicroTherma 1 is exclusive of probe

Specification	MicroTherma 1
Range	$0.1\text{ }^{\circ}\text{C}$ -270 to 1768 $^{\circ}\text{C}$
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	1000 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