

# MicroTherma 1 Thermometer

in-built microprocessor for automatic re-calibration



- type K, J, T, R, N, S & E thermocouple probes
- FREE traceable certificate of calibration
- 0.1 °C resolution over the full range
- should never need re-calibrating

The MicroTherma 1 microprocessor thermometer measures temperature over the range of -270 to 1768 °C with a 0.1 °C/°F resolution. Each MicroTherma 1 incorporates an easy to read, 4½-digit dual LCD display with open circuit, low battery, hold, max/min and °C/°F indication.

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

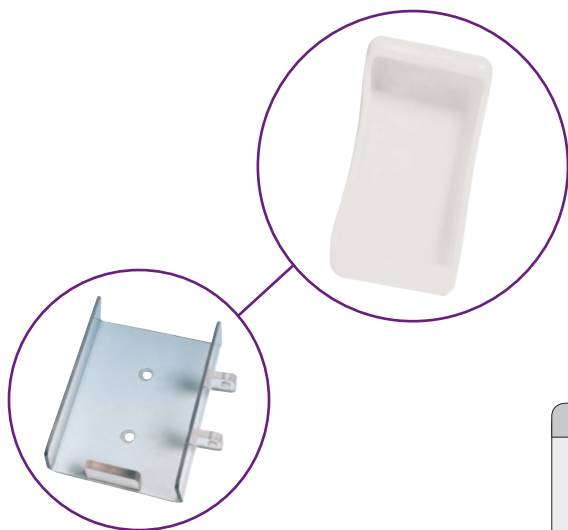
Each thermometer thereafter will automatically store, display the offset and adjust the instrument for the known probe error, maximising system accuracy.

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 57 to 62.



## optional accessories - MicroTherma series

- protective white silicone boot - 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
830-205	protective silicone boot
832-115	acrylic wall bracket

*the MicroTherma 1 is exclusive of probe*



specification	MicroTherma 1
range	-270 to 1768 °C
resolution	0.1 °C/°F
accuracy	$\pm 0.2$ °C $\pm 1$ digit
battery	2 x 1.5 volt AAA
battery life	1000 hours
sensor type	thermocouple type K, J, T, R, N, S & E - selectable
display	12.7 mm LCD
dimensions	35 x 73 x 141 mm
weight	220 grams

*FREE traceable certificate of calibration included*

