

MicroCal 1 & 1+ Thermocouple Simulator

The MicroCal 1 and 1+ thermocouple simulators help to ensure that the frequent checking of thermometer accuracies is a routine operation. Both instruments are designed to simulate a chosen temperature to test thermocouple type K, J, T, R, N, S and E type thermometers without the need for specialised equipment or conversion table. The MicroCal 1+ also measures and simulates temperature.

Both models feature a custom 10mm LCD display with alpha-numeric display line to prompt the user when changing parameters. Selectable parameters include: °C/°F, auto power off - enable/disable, CJC - internal/external and display contrast adjustment.

Each MicroCal is supplied with a one metre PVC type K thermocouple lead with miniature connectors and a five point UKAS Certificate of Calibration which will indicate deviations from standards at the various points.

Specifications:

Ranges	See table below.
Accuracy	±0.3°C
Battery	2 x 1.5 Volt AAA
Battery Life	300 Hours
Sensor Type	Thermocouple type K, J, T, R, N, S or E (Selectable)
Display	Custom LCD
Dimensions	35 x 73 x 141 mm
Weight	220 grams

Ranges:

Thermocouple type K	- range -200 to +1372°C
Thermocouple type J	- range -200 to +1200°C
Thermocouple type T	- range -270 to + 400°C
Thermocouple type R	- range 0 to +1768°C
Thermocouple type N	- range -200 to +1300°C
Thermocouple type S	- range 0 to +1768°C
Thermocouple type E	- range -140 to +1000°C

