

MicroCal 1 Plus Simulator Thermometer (Types K, J, T, R, N, S, E)

XE-3982-001

The MicroCal 1 Plus thermocouple simulator and thermometer helps ensure that the frequent checking of thermometer accuracies is a routine operation. The calibrator is designed to simulate a chosen temperature to test thermocouple type K, J, T, R, N, S and E thermometers without the need for specialised equipment or conversion tables. The MicroCal 1 Plus calibrator both measures and simulates temperature.

The simulator features 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.

An optional lead set is also available, that comprises of seven leads, one for each thermocouple type K, J, T, R, N, S and E. Each PVC lead is one metre long and incorporates two miniature thermocouple plugs.

Each MicroCal 1 Plus is supplied with a one metre PVC type K thermocouple lead with miniature connectors and a five point UKAS Certificate of Calibration which indicates deviations from standards at the various points.



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