

Reference Thermometer

Reference Thermometers The Reference thermometers are high accuracy PT100 instruments that are supplied with a 5-point UKAS Certificate of Calibration. Each certificate indicates deviations from standards at various check points: -18, 0, 40, 70 and 100 °C. Special ranges may be certified by arrangement with the ETI UKAS calibration laboratory.

The Reference thermometers are ideal for comparison checking the calibration and accuracy of other thermometers and probes, when used in conjunction with a stable temperature heat or chill source, see pages 81 and 85. The instruments measure temperature over the range of -199.99 to 199.99 °C with a resolution of 0.01 °C and an accuracy of ± 0.05 °C.

The units feature a simple on/off push button with open circuit 'Err' and low battery indication, when applicable. The Reference Plus thermometer incorporates the additional features of a max/min and hold function.

The Reference thermometers are supplied with a permanently attached, high accuracy probe incorporating a 1/10th DIN PT100 sensor. The probe measures $\varnothing 3.3 \times 130$ mm and is supplied with a one metre PVC lead.

Feature

- probe/sensor style: integral probe & lead
- power source: battery powered
- power saving: auto-off
- measurement scale: Celsius
- display type: LCD digital
- country of manufacture: United Kingdom
- certification: UKAS calibration certificate
- case material: ABS plastic

Specification	
Range	-199.9 to 199.9°C
Resolution	0.1°C
Accuracy	± 0.05 °C (-30 to 150°C) otherwise ± 0.1 °C
Battery	3 x 1.5 volt AAA
battery life	2000 hours
sensor type	PT100 1/10th DIN
Display	10mm LCD
Dimensions	25 x 56 x 128mm
weight	210 grams

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