

GlobeHeat Datasheet : Product Code GHT 2200



Product Description: Microcal 1 Calibration Unit

The Microcal 1 is a thermocouple simulator designed to simulate chosen temperature to test thermocouple type K, J, T, R, N, S and E temperature recorders, programmers and controllers without the need for specialised equipment or conversion tables to compensate for ambient.

Applications

To simplify the process of checking the calibration of temperature recorders, programmers and controllers which operate with type K, J, T, R, N, S and E thermocouple inputs and recalibrating them where necessary to ensure they remain within the required temperature reading accuracy tolerances.

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.
- A one metre PVC insulated, type K thermocouple lead with miniature connector is supplied as standard with each unit.
- Supplied with UKAS Certificate of Calibration which indicates deviations from standards at the various points.
- An optional lead set is also available (sold separately) that comprises of seven leads, one for each thermocouple type K, J, T, R, N, S and E. Each PVC insulated lead is one metre long and incorporates two miniature thermocouple plugs. The optional lead set includes on each of the following leads:-
 - Thermocouple type K: range –200 to 1372°C
 - Thermocouple type J: range –200 to 1200°C
 - Thermocouple type T: range –200 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 768° C
 - Thermocouple type E: range-140 to 1000° C

Specification	
Accuracy	±0.3°C (dependent on thermocouple type)
Thermocouple Input	Type K, J, T, R, N, S and E selectable
Range (Thermocouple type K)	-200 to 1372°C
Temperature points:	12 adjustable pre-sets
Battery life	300 hours
Display	LCD digital
Measurement scale	Celsius / Fahrenheit
Case material	ABS plastic
Conformity	EC Regulations 1935/2004 & 10/2011 and RoHS & REACH legislation
Certification	UKAS calibration certificate
Dimensions	35mm x 73mm x 141mm
Weight	220g

