

Thermocouple Calibration Furnace - PTC

General Information

The PTC thermocouple calibration furnace is designed to provide a high stability portable heat source for the calibration of thermocouples using the comparison method.

Standard features

- 1200°C maximum operating temperature
- High stability heat source with temperature range 400 to 1150°C
- Accepts thermocouples up to 7.5mm diameter
- Thermocouple is inserted & compared to the PTC 12/20's displayed temperature
- PID temperature control & separate temperature display to 1.0°C resolution
- The special work tube design provides better temperature uniformity than is typical for a furnace of this size
- The metallic work tube is earthed for operator safety when testing metal sheathed mineral insulated mineral thermocouples
- Rapid heat up and stabilisation makes it ideal for use in the laboratory or on site
- Portable & self contained



Options (specify these at time of order)

- Factory calibration certificate stating the error between the workspace temperature & the displayed value at 700°C, 900°C, & 1100°C
- A UKAS traceable calibration certificate for customer defined setpoints is available
- A UKAS calibrated thermocouple is available

Technical Specifications

PTC

Max temp (°C)	1200
Heat-up time to 1150°C (mins)	20
Temperature range (°C)	400 to 1150
Stability (±°C)	0.5 @ 1150°C
Heated length (mm)	150
Dimensions: Fixed tube inner diameter (mm)	20
Dimensions: External H x W x D (mm)	399 x 310 x 225
Max power (W)	1100
Thermocouple type	N
Weight (kg)	8.8

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Please note:

- Maximum continuous operating temperature is 50°C below maximum temperature



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.