

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