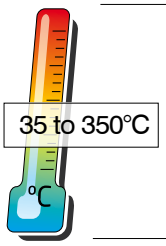


Surface Sensor Calibrator
Small Hot Plate

- Low Cost Portable Hot Plate
- PC Interface and Software
- Stable to ± 0.1°C

The Isotech Small Hotplate is a lightweight portable calibration system purpose designed for surface mounted sensors. The flat surface plate is made from precision-machined aluminum. The sensor to be tested is simply placed on the surface, for higher accuracy a calibrated surface sensor can be placed alongside and the two compared.

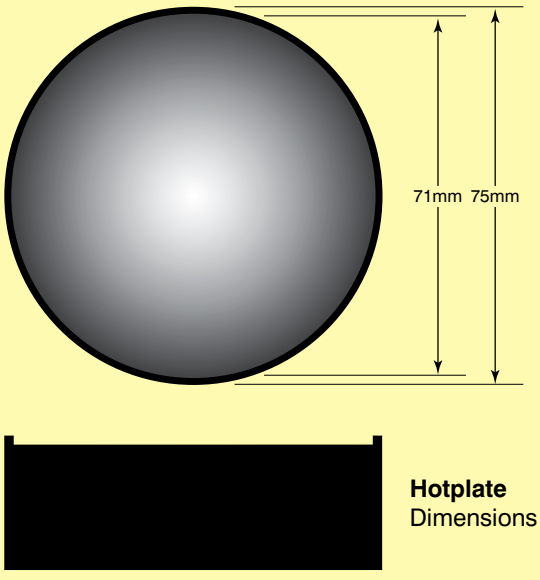
Good thermal contact is ensured by the flat disc that is recessed to allow the optional use of a heat transfer paste or fluid. Uniform heat distribution is achieved with a flat spiral heater clamped to an integrating block below the surface of the plate. The typical accuracy that can be achieved 1°C but this will be influenced by the type of sensor to be calibrated.

The internal control sensor is located immediately below the plate's surface.

A protective cover that can fit over the block is included along with a comprehensive handbook.

The temperature range is from 35°C to 350°C, which is set by an advanced, but easy to use temperature controller. The controller has 0.01 resolution below 100°C (0.1° above 100°). A PC interface is included as standard along with an RS232 converter lead and Windows software.

Notes:
A similar model but with a black high emissivity surface is available.
Many of the dry block calibrators featured within this book have accessories available for surface sensor calibration.



Hotplate
Dimensions

Model	**983 Small Hot Plate**
Temperature Range	35°C to 350°C
Stabilisation Time	10 minutes
Cools from	350°C to 100°C in 125 minutes
Heats from	50°C to 350°C in 20 minutes
Uncertainties	Dependant on sensors and method of use 1°C typical
Calibration volume	Flat Plate 71mm diameter
Display Resolution	0.01 to 99.99 0.1 100 to 350.0 PC can display 0.01 across whole range with the software included
Units	°C, °F, K
Power	100 to 115V (50 / 60 Hz) or 200 to 230V (50 / 60 Hz) 200 Watts
Dimensions	Height 115mm Width 230mm Depth 225mm
Weight	3.9kg

How to Order
983 Small Hot Plate
Please specify voltage required