

**CALsys
1500L**



500 to 1500°C

HIGH STABILITY BLOCK FURNACE GENERAL

CALsys 1500L calibration source is a highly stable standard furnace for calibrating thermocouples in the laboratory. The temperature of the furnace is set and controlled by a self tuned PID controller with automatic super fine adjustment.

The standard insert is a Ceramic Tube, which is 37 mm in diameter with 245 mm long and can hold up to four thermocouples.

It has been designed for high temperature range calibration and find application in the glass, electrical power, automotive & material processing industries and laboratories.

KEY FEATURES

- ✓ Use of Silicon Carbide Spiral Rod Heaters
- ✓ Large Immersion Depths
- ✓ Wide Operating Range (500 to 1500°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective

STANDARD ACCESSORIES

- **NABL** accredited calibration certificate - 3 point
- **Software** - Cal Soft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.
- Operational Manual

OPTIONAL ACCESSORIES

Reference Standard Thermocouple (PT-RH/PT 'R' Type T/C) Part No. TTCR-300

Extra Equalizing Block.....Part No. Eq2



SPECIFICATIONS

Temperature Range : 500 to 1500°C

Temperature Resolution : 1.0°C

Stability : ±0.4°C at 500°C
±0.7°C at 1000°C
±1.0°C at 1500°C

Uniformity : ±0.6°C at 500°C
±0.8°C at 1000°C
±0.9°C at 1500°C

Controlling Sensor : PT-RH/PT T/C

Method of Control : Digital self tuned PID Controller

Insert Construction : Dia 37 x 245 mm long (2X6mm & 2X8 mm holes) of 140mm insertion depth

Heaters : Silicon Carbide Spiral Rod Heater

Time to Reach Max Temp : 2 Hrs

Computer Interface : RS - 232

Operating Temperature : 20 to 45°C

Power Requirement : 230 VAC, 3.0 KW

Dimensions : 570(H) x 450(W) x 520(D) mm

Weight : 55 Kg