

**CALsys
1700L**



500 to 1700°C

HIGH TEMPERATURE BLOCK FURNACE GENERAL

CALsys 1700L 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 advanced PID controller with automatic super fine adjustment.

The standard insert is a Ceramic Tube, which is 37 mm in diameter and 240 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 Molybdenum Disilicate Heaters (MoSiO₂)
- ✓ Large Immersion Depths
- ✓ Wide Operating Range (500 to 1700°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 'B' Type T/C) Part No. TTCB-300
- Extra Equalizing Block.....
- Black Body Cavity.....Part No. Eq3



SPECIFICATIONS

Temperature Range : 500 to 1700°C

Temperature Resolution : 0.1°C

Stability : ±0.5°C at 500°C
±1.0°C at 1200°C
±1.5°C at 1700°C

Uniformity : ±0.7°C at 500°C
±1.4°C at 1200°C
±1.9°C at 1700°C

Controlling Sensor : Precision PT/RH-PTT/C

Heaters : MoSiO₂

Method of Control : Digital self tuned PID Controller

Insert Construction : Dia 37 x 240 mm long (2x6mm & 2x8 mm holes) of 225mm insertion depth

Time to Reach Max Temp : 3 Hrs

Computer Interface : RS - 232

Operating Temperature : 20 to 45°C

Power Requirement : 230 VAC, 3 KW

Dimensions : 640(H) x 500(W) x 550(D) mm

Weight : 80 Kg