

CALSys
1700 L

500 to 1700 °C

HIGH TEMPERATURE DRY BLOCK FURNACE

General

CALSys 1700 L 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 with 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 Deg C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective

Standard Accessories

Operational Manual.....

Optional Accessories

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

Software for Automated Calibration Part No. AC-24

Extra Equalizing Block.....

Black Body Cavity.....Part No. EQ3



SPECIFICATIONS

Temperature Range : 500 to 1700 Deg C

Temperature resolution : 0.1 Deg C

Stability : ± 2.0 Deg C

Controlling Sensor : Precision PT/RH-PTT/C

Heaters : MoSiO₂

Method of Control : Digital self tuned PID Controller

Time to Reach Max Temp : 2.5 Hr

Computer Interface: RS 232

Operating Temperature : 20 to 45 Deg C

Power Requirement : 230 VAC, 4.0 KW

Dimensions : 640(H) x 400(W) x 550(D) mm

Insert Construction : Dia 37mm x 240mm long
(2x6 mm & 2x2.8 mm holes) x 160mm insertion depth

Weight : 80 Kg