

CALSys  
1500 L

500 to 1500 °C

## HIGH STABILITY DRY BLOCK FURNACE

### General

CALSys 1500 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 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 Deg C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective

### Standard Accessories

Operational Manual.....

### Optional Accessories

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

Software for Automated Calibration ..... Part No. AC-24

Extra Equalizing Block.....Part No. EQ2



### SPECIFICATIONS

Temperature Range : 500 to 1500 Deg C

Temperature resolution : 1.0 Deg C

Stability :  $\pm 1.0$  Deg C

Controlling Sensor : PT-RH/PT T/C

Method of Control : Digital self tuned PID Controller

Heaters : Silicon Carbide Spiral Rod Heater

Time to Reach Max Temp : 2 Hr

Computer Interface: RS 232

Operating Temperature : 20 to 45 Deg C

Power Requirement : 230 VAC, 4.0 KW

Dimensions : 560(H) x 450(W) x 520(D) mm

Insert Construction : Dia 37mm x 245 mm long  
(2X6 mm & 2X8mm holes) x 140mm insertion depth

Weight : 30 Kg