

**CALSYS  
1200L**



**300 to 1200°C**

## HIGH STABILITY BLOCK FURNACE

CALsys 1200L 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 metallic block of special material, which is 37mm 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 & laboratories. Special Version with 3 zone furnaces are available.



### KEY FEATURES

- ✓ Large Immersion Depths
- ✓ Wide Operating Range (300 to 1200°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to Use and Cost Effective

### SPECIFICATIONS

**Temperature Range** : 300 to 1200°C

**Temperature Resolution** : 1.0°C

**Stability** : ±0.1°C at 300°C  
±0.2°C at 700°C  
±0.35°C at 1200°C

**Uniformity** : ±0.15°C at 300°C  
±0.25°C at 700°C  
±0.4°C at 1200°C

**Controlling Sensor** : Precision PT/RH-PT T/C

**Method of Control** : Digital self tuned PID Controller

**Insert Construction** : Dia 37 x 240 mm long (2X6mm & 2X8 mm holes) of 160mm insertion depth

**Time to Reach Max Temp** : 1.5 Hrs

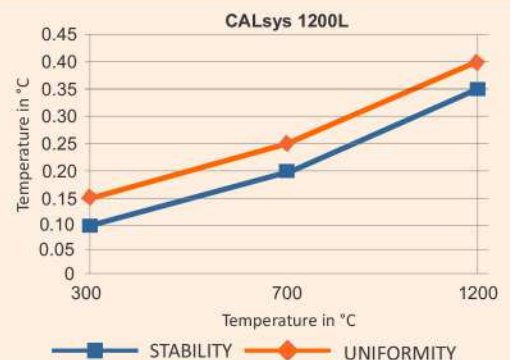
**Computer Interface** : RS - 232

**Operating Temperature** : 20 to 45°C

**Power Requirement** : 230 VAC, 2.0 KW

**Dimensions** : 590(H) x 450(W) x 530(D) mm

**Weight** : 50 Kg (without packing)

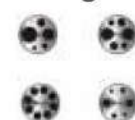


### STANDARD ACCESSORIES

- Reference Standard Thermocouple ('N' Type T/C).....Part No. TTCN-300
- 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

- Customized Equalizing Block....Part No. EQ1



Optional Black