

High Temperature Dry Block Furnace

500°C to 1700°C

Wide Temperature Range

CALsys 1700L offer a wide temperature range from 500 °C to 1700 °C

Simple to use

The CALsys 1700L block is ideal for Industrial/ Laboratory field use and it is simple enough to testing and calibration uses.

Accuracy and performance

The CALsys 1700L is an easy to use that also provides excellent calibration accuracy with stability $\pm 1.5^{\circ}\text{C}$ at 1700°C.

Computer Interface

The communication port (RS-232/USB) enables communication with selected CALsys 1700L calibrator

CALsys 1700L

Highly accurate temperature Calibrator



CALsys -1700L

CALsys 1700L offers easy to use temperature calibrator with wide temperature range from 500°C to 1700°C. It is a highly stable standard furnace for calibrating thermocouples / RTD. This calibrator can be used on site for high temperature calibration and also find application in glass, electric power, automotive and material process industry. The comparison volume is a metallic block of special material, which has a diameter of 37mm and 225mm long. The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.

SPECIFICATIONS

CALsys 1700L

Temperature range	500 °C to 1700 °C
Stability	±0.5°C at 500°C
	±1.0°C at 1000°C
	±1.5°C at 1700°C
Radial uniformity	±0.6°C at 500°C
	±1.4°C at 1000°C
	±1.9°C at 1700°C
Stabilization time	15 to 20mins
Controlling sensor	B type duplex
Method of Control	Self tuned PID controller
Immersion depth	185mm
Insert OD dimensions	37 mm
Heating time	3 Hrs
Resolution	1 °C
Display	LCD, °C or F user-selectable
Size (H x W x D)	700(H) x 500(W) x 550(D) mm
Weight	75Kg
Power requirements	230 VAC or 110 VAC 50/60Hz 4 kW
Computer interface	RS-232/USB
Calibration	Accredited calibration certificate provided (Optional)
Environmental operating conditions	0 °C to 40 °C

ACCESSORIES

- **Inserts for CALsys 1700L model**

Inserts for CALsys 1700L are made of special material have multiholes of 2x6.5mm and 2x8.5mm. All specifications on hole size based on outer diameter of the sensor under test.

*We also offer customized hole size based on Customer requirements

- **Reference Standard Thermocouple (PT-RT/PT “B type T/C”)**

Part No. TTCB - 300 (Optional)

- **Calsoft Software**
- **Operational Manual**
- **NABL accredited calibration certificate (Optional)**

