

Dual Dry Block Calibrator

-25°C to 650°C

Wide Temperature Range

CALsys -25/650 offer a wide temperature range from -25 °C to 650 °C

Lightweight, portable

The CALsys -25/650 block is ideal for Industrial/ Laboratory field use. It only weights about 20 kg.

Speed

The CALsys -25/650 extremely quick to reach various temperatures, i.e. it Heats down to -25 °C in 30 minutes and heats up from room temp to +650 °C in 30 minutes.

Accuracy and performance

The CALsys -25/650 is an easily portable unit that also provides excellent calibration accuracy with stability ± 0.02 °C for lower temperature and ± 0.03 °C for higher temperature.

Computer Interface

The communication port(RS-232/USB) enables communication with selected CALsys -25/650 calibrator.

CALsys -25/650

Portable, Lightweight, highly accurate Dual Dry Block Calibrator



CALsys -25/650 offers easy to use portable dual block temperature calibrator with temperature range from -25 to 650°C. It is a highly stable standard furnace for calibrating RTD. This calibrator can be used on site for high temperature calibration and also find application in aerospace, oil gas petrochemical, pharmaceutical industry, electric power, automotive and material process industry. The comparison volume is a metallic block of special material, which has a diameter of 37mm and 160mm long. Dual dry block temperature furnace based on thermoelectric cooling circuitry for low temperature and heater for high temperature. This model provides special design with dual dry block isothermal enclosure which can calibrator and covers the temperature range lower to higher -25 °C to 650 °C. Temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.

SPECIFICATIONS

CALsys -25/650

Parameter	Low Temperature Block	High Temperature Block
Temperature range at 25°C	-25 °C to 140 °C	Ambient to 650 °C
Stability	±0.02°C	±0.03°C Upto 100°C ±0.05°C above 100°C
Insert OD dimensions	3 holes having Diameter of 6.5	4 holes having Diameter of 6.5
Immersion depth	160 mm	
Method of Control	Self tuned PID controller	
Heating time	30 Min	30 Min
Cooling time	15 Min	90 Min
Resolution	0.01°C	
Display	LCD, °C or F user-selectable	
Size (H x W x D)	383(H) x 461(W) x 316(D) mm	
Weight	20Kg	
Power requirements	230 VAC or 110 VAC 50/60 Hz 500 W	
Computer interface	RS - 232 / USB	
Calibration	Accredited calibration certificate provided	
Environmental operating conditions	5 °C to 25 °C	

ACCESSORIES

- **Inserts for CALsys -25/650 models**

Inserts for CALsys -25/650 are made of aluminum for low temperature and brass for high temperature have multiholes of 4x6.5 mm.

*We also offer customized hole size based on Customer requirements.

- **Reference Standard RTD Part no. TPRT-A-300.**
- **Reference Standard Thermocouple ('N' Type T/C)**
Part no. TTCN- 300.
- **Calsoft Software**
- **Operational Manual**
- **NABL accredited calibration certificate (Optional)**

