

Dry Block Calibrators

-180°C to -80°C

Wide Temperature Range

CALsys -196/-80 offer a wide temperature range from -180 °C to -80 °C

Lightweight, portable

The CALsys -196/-80 block is ideal for Industrial/ Laboratory field use. It only weighs about 15 kg.

Accuracy and performance

The CALsys -196/-80 is an easily portable unit that also provides excellent calibration accuracy with stability $\pm 0.1^\circ\text{C}$ at -180°C .

Computer Interface

The communication port (USB) enables communication with CALsys -196/-80 calibrator.

CALsys -196/-80

Portable RTD Calibrator



CALsys -196/-80 offers ultra low temperature range from -180 to -80°C . It is a highly stable standard source for calibrating Thermocouples & RTD. It has been designed for low temperature range calibration and find application in the glass, pharma, electrical power, automotive & material processing industries. The comparison volume is a metallic block of special material having dimension 25mm diameter with 300 mm long which is fixed into the liquid nitrogen container for calibration of RTD & thermocouple. The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.

SPECIFICATIONS

CALsys -196/-80

Temperature range	-180 to -80°C
Stability	±0.1°C at -180°C
	±0.1°C at -130°C
	±0.1°C at -80°C
Uniformity	±0.2°C at -180°C
	±0.15°C at -130°C
	±0.17°C at -80°C
Temperature Resolution	1.0°C
Controlling Sensor	RTD Pt100
Method of Control	Digital self tuned PID Controller
Insert Diameter	Dia 30 x 330 mm long (2 x 6.5 mm & 2 x 8.5 mm holes)
Immersion Depth	280 mm
Time to Reach Max Temp	30 Mins
Computer Interface	USB
Operating Temperature	20 to 45°C
Power Requirement	230 VAC or 110 VAC 50/60 Hz 300 W
Dimensions of Container	580(H) x 280(Dia)
Nitrogen Container	10 Ltr.
Dimension of Control Panel	165(H)x310(W)x350(D)
Weight of control panel	10 Kg
Weight of container	15 Kg

ACCESSORIES

- Insert
- Reference Standard RTD
- Calsoft Software
- Operational Manual
- NABL accredited calibration certificate (Optional)

