

CALsys
-196/-80



-190 to -80°C

PORTABLE RTD CALIBRATOR

CALsys -196/-80 offers ultra low temperature range from -190 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 aluminium having dimension 25mm diameter with 300 mm long which 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.

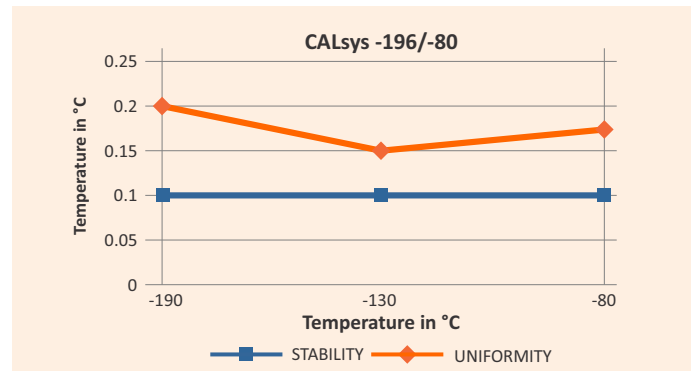


SPECIFICATIONS

Temperature Range	: -190 to -80°C
Temperature Resolution	: 1.0°C
Stability	: ±0.1°C at -190°C ±0.1°C at -130°C ±0.1°C at -80
Uniformity	: ±0.2°C at -190°C ±0.15°C at -130°C ±0.17°C at -80
Controlling Sensor	: RTD PT100
Method of Control	: Digital self tuned PID Controller
Insert Construction	: Dia 25 x 300 mm long (2 x 6 mm & 2 x 8 mm holes) of 300 mm insertion depth
Time to Reach Max Temp	: 30 Mins
Computer Interface	: RS - 232
Operating Temperature	: 20 to 45°C
Power Requirement	: 230 VAC, 300 W
Dimensions of Container	: 580(H) x 280(Dia)
Nitrogen Container	: 10Ltr.
Dimension of Control Panel	: 270(H)x380(W)x270(D)
Weight	: 15Kg (without packing)

OPTIONAL ACCESSORIES

- TEMPMET 08, TEMPMET 09
- Extra Equalizing Block.....Part No. EQ2



KEY FEATURES

- ✓ Large Immersion Depths
- ✓ Wide Operating Range (-190 to -80°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Separate control box

STANDARD ACCESSORIES

- Reference Standard RTD
- 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