

CALsys
120 SP



0 to 120°C

DRY CUM LIQUID BATH PELTIER BASED TEMPERATURE CALIBRATOR GENERAL

CALsys 120SP offers medium temperature range from 0 to 120°C. It is a highly stable standard temperature source for calibrating RTD / thermocouples. It has peltier elements to generate stable temperature in the well.

Use as a dry block & liquid bath using magnetic stirrer in one model.

The comparison volume is a metallic block of aluminum, which has diameter of 24mm and 100mm length.

The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.

KEY FEATURES

- ✓ Wide Operating Range (0 to 120°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Portability

STANDARD ACCESSORIES

- Reference Standard PRT.....Part No.TPRT -A-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
- Carry Case

OPTIONAL ACCESSORIES

Extra Equalizing Block



SPECIFICATIONS

Temperature Range : 0 to 120°C

Temperature Resolution : 0.1°C

Stability : ±0.03°C at 0°C
±0.05°C at 0°C
±0.07°C at 120°C

Uniformity : ±0.05°C at 0°C
±0.07°C at 0°C
±0.09°C at 120°C

Controlling Sensor : Precision PRT

Medium : Silicon Oil (for liquid bath)

Method of Control : Digital self tuned PID Controller

Removable Insert Construction : Dia 24 x 100 mm long, 3 x 6 mm hole

Time to Reach Max/Min Temp : 25 Mins

Operating Temperature : 20 to 25°C

Computer Interface : RS - 232

Power Requirement : 230 VAC, 500 W

Dimensions : 380(H) x 170(W) x 188(D) mm

Weight : Approx 14 Kg