

CALsys
-80/50



-80 to 50°C

HIGH STABILITY BATH

GENERAL

CALsys -80/50 is a Highly Stable Stirred Liquid Bath for Calibration RTD / Thermocouple and also for compensation of cold junction.

CALsys -80/50 offers the temperature range of -80 to 50°C. It has large tank which is filled with liquid Methanol. The liquid is heated or cooled to the desired temperature.

It has better stability & uniformity than dry block bath and as it uses of stirred liquid.

This CALsys -80/50 is built using CFC free refrigerants.

KEY FEATURES

- ✓ Large Immersion Depths
- ✓ High Accuracy
- ✓ High Stability and Uniformity
- ✓ Wide Temperature Range
- ✓ PC Interface
- ✓ Simple to use and Cost effective

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

OPTIONAL ACCESSORIES

Methanol10 Ltr. No.(3050-M)



SPECIFICATIONS

Temp. Range : -80 to 50°C

Stability : ±0.04°C at -80°C (Methanol)
±0.07°C at 0°C (Methanol)
±0.05°C at 50°C (Water)

Uniformity : ±0.05°C at -80°C
±0.09°C at 0°C
±0.07°C at 50°C

Temperature Resolution : 0.1°C

Time to Reach Min. Temp. : 2 Hrs

Medium : Methanol

Controlling Sensor : PT-100

Volume : 9 Ltr.

Access Opening : 100 x 130 mm

Depth : 200 mm

Method of control : Digital self tuned PID Controller

Computer Interface : RS - 232

Operating Temperature : 20 to 25°C

Power Requirement : 230 VAC, 2.0 KW

Dimensions : 750 x 850 x 650 mm

Weight : 80 Kgs.

(Large depth available on custom built model)