

**CALSYS
250**

50 to 250°C
HIGH ACCURACY LIQUID CALIBRATION BATH

Provide superior thermal environment for probe immersion as no air gap exist between the probe and the medium Thermal coupling is therefore much better than the alternatives described, and the stirring results in very even heat distribution throughout the medium. Methanol is used for temperature below 0°C, water from 0 to 80°C and silicon oil for upto 250°C. We have seven types of liquid baths given below.

CALsys 250 calibration bath is a highly stable standard stirred liquid bath for calibrating RTDs / Thermocouples and other temperature sensors in the laboratory. The temperature of the bath is set and controlled by a self tuned PID controller with automatic super fine adjustment. The unique features is portability with very high stability and uniformity. The medium used in the bath is silicon oil.


SPECIFICATIONS
Temperature Range : 50 to 250°C

Temperature Resolution : 0.1°C

Stability : ±0.015°C at 50°C
 ±0.025°C at 150°C
 ±0.05°C at 250°C

Uniformity : ±0.02°C at 50°C
 ±0.04°C at 150°C
 ±0.06°C at 250°C

Controlling Sensor : Precision PRT (PT-100)

Method of Control : Digital self tuned PID Controller

Medium of Heating : Silicon Oil

Time to Reach Max Temp: 30 Mins

Computer Interface : RS - 232

Operating Temperature : 20 to 45°C

Power Requirement : 230 VAC, 1.0 KW

Dimensions : 360(H) x 185(W) x
 285(D) mm

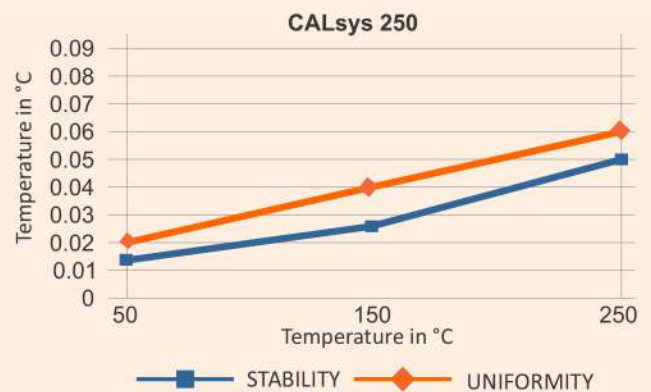
Access Opening : 90 mm Dia

Depth : 140 mm

Removable Insert : 6 holes of 15 mm Dia

Construction
Weight : 12 Kg (without
 packing)

Volume : 900 ml

Wetted Parts : Aluminium

KEY FEATURES

- ✓ Large Immersion Depths
- ✓ Wide Operating Range (50 to 250°C)
- ✓ High Stability and Uniformity
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Portability

STANDARD ACCESSORIES

- Silicon Oil..... Part No.C300S-LB-SO
- 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