

## CALsys 250



50 to 250°C

### HIGH ACCURACY LIQUID CALIBRATION BATH GENERAL

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.

### 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

### OPTIONAL ACCESSORIES

Silicon Oil.....Part No C200S-LB-SO



### 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  
                      ±0.08°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 Construction** : 6 holes of 15 mm Dia

**Weight** : Approx 12 Kg

**Volume** : 900 ml

**Wetted Parts** : Aluminium

(Large depth available on custom built model)