

# CALsys -30/50

## Negative temperature bath

**-30 to 50 Deg C**

**High Accuracy liquid negative calibration bath**

### GENERAL

The CALsys -30/50 is a specialized negative liquid temperature bath suitable for calibration of RTDs, thermocouples, and temperature switches. This bath can also be used as a reference temperature (0°C)

This units features portability with very stable negative temperature source. The medium used is methanol and water in proper ratio in order to have low freezing point.

### FEATURES

- ✓ High accuracy and stabilization
- ✓ Cost Effective solution
- ✓ Manufactured and tested under strict quality control standards
- ✓ Liquid bath with stirrer ensures high uniformity



### SPECIFICATIONS

**Temperature Range** : -30 to 50 Deg C

**Temperature resolution** : 0.1 Deg C

**Stability** : 0.1 Deg C

**Cooling Device** : Refrigeration

**Cooling medium** : Methanol + water

**Heating medium** : Water

**Chamber diameter** : 90mm Dia with 245mm Depth

**Inset Construction** : 6 holes of dia 15 mm each

**Controlling Sensor** : Precision Pt.100 RTD

**Method of Control** : Digital self tuned PID Controller

**Cooling rate** : 1 Deg C/Min

**Heating rate** : 3 Deg C/Min

**Operating Temperature** : 20 to 28 Deg C

**Power Requirement** : 230 VAC, 0.5KW

**Dimensions** : 925mm (H) x 390 (W) x 305 (D) mm

**Weight** : 20Kg

**Temperature Sensor Technology**