

JAPSININSTRUMENTATION



ISO 9001:2015 CERTIFIED ORGANISATION
COMPLETE RANGE OF FLOW, LEVEL,
TEMPERATURE & PRESSURE INSTRUMENTS



TEMPERATURE CALIBRATION BATH LOW RANGE -30 TO 125 DEG C (DRY BLOCK TYPE) , MODEL SEC-LT-30125

Purpose: A Temperature Calibration bath is used to obtain precise temperature for calibration of RTD's, (LIG) Liquid in Glass Thermometer, Thermocouples & PRTs, SPRTs. Temperature Calibration baths are electric controllers which are in high reliability & accuracy in the measuring Temperature. Temperature Calibration Bath is particularly suitable for calibration of the widest range of Temperature Gauges or Instruments.



TEMPERATURE CALIBRATION BATH LOW RANGE -30 TO 125 DEG C (DRY BLOCK TYPE) , MODEL SEC-LT-30125

DESCRIPTION

The Test instruments consist of two single enclosures. Front size 150 X 150 mm & 280 mm depth. They are connected with each other & equipped with a portable handle. The left enclosure contains a block with bore diameter of 18.5 mm & 110 mm depth which can reach from the top, face the reception of the test piece. In this block the heating cartridge & temperature sensor for the determination of the block temperature are installed / accesses from the bottom.

The right enclosure contains:

- 1) PID controller for control of the block temperature in which we can see the set value & present temperature of the block.
- 2) Power switches & power on indicator
- 3) Fan ON / OFF switch for cooling the block.
- 1) cooling air

ADAPTER POCKETS:

It has to be made sure that the heat transmission resistance between the heating block & the test piece (thermometer, temperature sensor, temperature switch) is as low as possible. Therefore it is necessary to use exactly adapted pockets.

TECHNICAL DATA:

Regulation of the heating block	PID regulator
Temperature Range	-30 to 125 deg C
Power Supply	230 V AC, 50 Hz.
Power consumption	1000 Watts
Accuracy	+/- 0.5 %

DIMENSIONS:

Block Bore ID	18.5 mm
Immersion length	110 mm
4 numbers of Adapter pocket are provided extra with the following sizes	
1) ID	6.1 mm
2) ID	8.1 mm
3) ID	10.1 mm
Size of the instrument	150 X 300 X 280 mm
Weight of the instrument	Approx. 8.5 Kg

- 1) Initially when the bath is connected to power supply it shall show the ambient temperature & later on could be taken to any temperature point from -30 to 125 deg C thru the PID controller by heating or cooling with ON power supply.
- 2) Stability : 0.2 deg C
- 3) Accuracy : +/- 0.2 %
- 4) Heating time from ambient to 125 deg C : 10 to 15 Minutes
- 5) Cooling time from ambient to -30 : 10 to 15 Minutes
- 6) Instant cooling : Additional liquid methanol could be used in the well

Address: 40, PICKET ROAD, 2nd FLOOR, KALBADEVI, MUMBAI – 400002, INDIA PH : 22059501
FAX : 22065104

Email : japsin33@mtnl.net.in

Website: www.japsin.com

japsin33@yahoo.com

www.japsininstrumentation.com