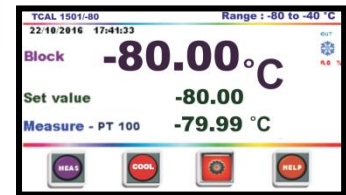


LIQUID TEMPERATURE CALIBRATION BATH

MODEL : TCAL 1501 / - 80



INTRODUCTION

SANSER series TCAL 1501/- 80 is a micro controller based precision “ULTRA LOW TEMPERATURE LIQUID BATH” generates true reference temperature with high resolution and stability. The temperature controller of the bath uses a auto tune FUZZY PID controller algorithm. This fast response closing follows the cooling curve of an actual thermal system.

Place the thermometers, thermocouple & RTDs to be calibrated in the bath. Set the temperature from the 4.3 inch true TFT display with touch screen . Both liquid and set temperature can be read. When stabilization occurs, simply read the temperature and re-calibrate the thermometer, sensor etc., or comparison with master RTDs reading.

Applications

- Food industries
- Pharmaceutical Industries
- R & D laboratories
- Automobiles industries
- Calibrators laboratories etc.,.

FEATURES

- ✓ 4.3 inch True TFT display with touch screen
- ✓ Range from – 80 to - 40°C
- ✓ Micro controller based Linearize
- ✓ Stable to $\pm 0.03^{\circ}\text{C}$
- ✓ Uniformity $\pm 0.2^{\circ}\text{C}$
- ✓ High Accuracy
- ✓ Multi hole provision for different type of sensors, Thermometer calibration.
- ✓ NABL Calibration Certificate

Technical Specifications

Model	TCAL 1501/ - 80
Working Range	-80 to - 40°C
Resolution	0.01°C
Stability	$\pm 0.03^{\circ}\text{C}$
Uniformity	$\pm 0.2^{\circ}\text{C}$
Display	4.3 inch True TFT LCD Display with Touch screen
Bath temperature control	Digital temperature controller with FUZZY PID
Multi hole well	Provided for different type of sensors , sensor with indicators & Thermometer calibrations
Cooling medium	IPA
Liquid capacity	5 Liters
Power supply	230V AC $\pm 10\%$ / 50Hz (Optional 110V AC)
Testing area	100mm W x 100mm H x 190mm D
Overall Dimension	705 mm x 505 mm x 825 mm (L x W x H)
Weight	80 kg (Approx.)

Note: Due to continuous product improvements, Published specifications may change with out notice



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

1 / 46 , 3rd Main road, Ganga Nagar, MMDA Colony , Maduravoyal , Chennai - 600 095. INDIA
☎ +91 44 2378 3951, 📞 +91 72999 72085 / 86 / 93, 📠 +91 98401 49928 ✉ enquiry@ sansel.net

🌐 www.sansel.net

🌐 www.sansel.in

🌐 www.sansel.co.in

🌐 www.calibrators.in

