

ECONOMY DRY BLOCK TEMPERATURE CALIBRATOR

For Thermocouple & RTD Sensor Calibration

MODEL : TCAL 1401 / 600



INTRODUCTION

SANSEL Model TCAL 1401 / 600 Dry well Temperature calibrator are high performance for industrial atmosphere and covering temperature range from Amb.+5 to 600°C. Which are ideally suited onsite calibration of thermocouple, RTDs, Indicator with sensors & 4-20mA signal transmitter with indicator in Food, Pharmaceutical and all types of process industries.

Having it's advantage of user friendly, light weight, portable, fast settling, better uniformity and accuracy over a wide temperature range. TCAL 1401 / 600 having interchangeable inserts to suit for calibration of different diameter of sensors (upto 30mm). Additional Inserts(optional) with special drillings are available to order.

FEATURES

- ✓ High Bright 4 + 4 digit 7 seg LCD Display with 4 keys
- ✓ Portable & Rugged
- ✓ Range from +5 to 600°C
- ✓ No Liquids, Safe dry Calibration
- ✓ Micro Controller Based Linearized High Accuracy
- ✓ Stable to $\pm 0.1^{\circ}\text{C}$
- ✓ Radial uniformity - better than $\pm 1^{\circ}\text{C}$
- ✓ Inter changeable insert to suit different diameter sensor - up to 30 mm
- ✓ ISO / IEC 17025 Standard Accredited Calibration Certificate

Technical Specifications

Model	TCAL 1401 / 600
Display	0.58" (15mm)(Block) / 0.3"(7.8mm) (Set) 4 digit LCD Display with 4 keys
Temperature Range	+5 to 600°C
Radial Uniformity	Better than $\pm 1^{\circ}\text{C}$
Resolution	0.1°C
Stability	$\pm 0.1^{\circ}\text{C}$
Temperature readout	°C
Heating time	30 mins (Amb. To 600 °C)
Cooling time	25 mins (600 to 100 °C)
Stabilization time	15 minutes
Well Dimension(dia. X height)	30 x 110 mm
Standard well holes in mm	4.2, 6.2, 6.2 & 8.5
Power supply	230V AC $\pm 10\%$ / 50Hz (Optional 110V AC)
Power consumption	1200 VA
Overall Dimension in mm	285 x 125 x 275 (L x B x H)(Approx.)
Instrument Weight	7.5 kg (without well insert) (Approx.)

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

Standard Delivery

1. Basic Instrument
2. Spare fuses
3. Standard well insert
4. Well tool
5. Instruction manual
6. Mains card
7. Traceable calibration certificate

Optional

1. Master Indicator with sensor
2. Additional well insert
3. Carrying case



Carrying case

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

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