

ECONOMY DRY BLOCK TEMPERATURE CALIBRATOR

For Thermocouple & RTD Sensor Calibration

MODEL : TCAL 1401 / 1200



Introduction

SANSEL Model TCAL 1401 / 1200 Dry well Temperature calibrator are high performance for industrial atmosphere and covering temperature range from 500 to 1200°C. Which are ideally suited onsite calibration of thermocouple, RTDs, Indicator with sensors & 4-20mA signal transmitter with indicator in Glass, Steel, Forging 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 / 1200 having interchangeable inserts to suit for calibration of different diameter of sensors (upto 39mm). 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 500 to 1200°C
- ✓ No Liquids, Safe dry Calibration
- ✓ Micro Controller Based Linearized High Accuracy
- ✓ Stable to $\pm 2^{\circ}\text{C}$
- ✓ Radial uniformity - better than $\pm 2^{\circ}\text{C}$
- ✓ Inter changeable insert to suit different diameter sensor - up to 39 mm
- ✓ ISO / IEC 17025 Standard Accredited Calibration Certificate.

Technical Specifications

Model	TCAL 1401 / 1200
Display	0.58" (15mm)(Block) / 0.3"(7.8mm) (Set) 4 digit LCD Display with 4 keys
Temperature Range	500 to 1200°C
Resolution	Auto ranging (0.1 °C up to 999.9 °C, 1 °C from 1000–1200 °C)
Stability	Better than $\pm 1^{\circ}\text{C}$
Radial Uniformity	Better than $\pm 2^{\circ}\text{C}$
Temperature readout	°C
Heating time	60 mins (Amb. to 1200 °C)
Cooling time	120 mins (1200 to 100 °C)
Stabilization time	30 minutes
Well Dimension(dia. X height)	39 x 150 mm
Standard well holes in mm	5.2, 6.2, 6.2, 10.1 & 12.1
Power supply	230V AC, 50/60 Hz
Power consumption	2200 VA
Overall Dimension in mm	340 x 175 x 425 (L x B x H)(Approx.)
Instrument Weight	18 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

Optional

1. Master Indicator with sensor
2. Additional well insert
3. Carrying case
4. ISO/IEC 17025 Accredited calibration certificate



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)

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