

# 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 )

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