

## ECONOMY DRY BLOCK TEMPERATURE CALIBRATOR

For Thermocouple & RTD Sensor Calibration  
MODEL : TCAL 1401 / -30



SANSEL Model TCAL 1401 / -30 Dry well Temperature calibrator are high performance for industrial atmosphere and covering temperature range from -30\* to 100°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 / -30 having interchangeable inserts to suit for calibration of different diameter of sensors (upto 16mm). 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 -30\* to 100°C
- ✍ No Liquids, Safe dry Calibration
- ✍ Micro Controller Based Linearized High Accuracy
- ✍ Stable to  $\pm 0.1^\circ\text{C}$
- ✍ Axial + Radial uniformity - better than  $\pm 0.15^\circ\text{C}$
- ✍ Inter changeable insert to suit different diameter sensor - up to 22 mm
- ✍ ISO / IEC 17025 Standard Accredited Calibration Certificate

## Technical Specifications

Model	TCAL 1401 / -30
Temperature Range	-30* to 100°C (* @ Ambient 25 °C)
Resolution	0.1 °C
Stability	$\pm 0.1^\circ\text{C}$
Axial + Radial Uniformity	Better than $\pm 0.3^\circ\text{C}$
Display	0.58" (15mm)(Block) / 0.3"(7.8mm) (Set) 4 digit LCD Display with 4 keys
Accuracy	Better than $\pm 0.3^\circ\text{C}$
Temperature Read out	°C
Heating time	20 mins (Amb. To 100 °C)
Cooling time	25 mins (25 to -30 °C)
Stabilization time	10 minutes
Well Dimension(dia. X height)	22 x 120 mm
Standard well holes in mm	5.2, 6.2 & 6.2
Power supply	230V AC $\pm 10\%$ / 50Hz (Optional 110V AC)
Power Consumption	500 VA
Overall Dimension in mm	490 x 178 x 357 (L x B x H)(Approx.)
Instrument Weight	12.5 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



CC-2879 NABL Accredited Calibration Lab ( Thermal, Mechanical, Electro-Technical Parameters )

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