DRY BLOCK
TEMPERATURE CALIBRATOR
MODEL : TCAL 1501 / 1200

INTRODUCTION

SANSEL Model TCAL 1501 series of Dry well Temperature calibrator range from - 30 to 1200°C in four model (TCAL 1501 / -30, TCAL 1501 / 300, TCAL 1501 / 600 & TCAL 1501 / 1200) are high precision, better resolution, stability, fast in heating and cooling. More well dia and depth to calibrate more number of temperature sensor at a time with better uniformity.

These models can meet any calibration requirement in laboratories or in on site applications. This models are inbuilt measuring facility of the Thermocouples, RTD, Resistance, millivolt & milliamps to directly read the signals from most of the temperature sensors, indicator with sensor and Transmitter. Temperature range from 300 to 1200°C with high resolution 0.1°C up to 1200°C. This model is mainly used in all industries, like metal moulding, glass, ceramic & calibration laboratories etc.,

These models are using 4.3" True colour TFT display with Touch screen, easy to read multi parameter at the same time like, Block temperature, set temperature, measure value, Real time clock with date & time, Control Output %, Stability time & status, Range of the equipment with necessary unit of measurement and three soft touch keys are used for measure configuration, settings, calibration etc.., It has one more advantage of help menu for operating instruction of the equipment via the same screen , Hence no need of Hard copy of Instruction manual.

FEATURES

- ✓ 4.3 inch True TFT DISPLAY with touch screen
- ✓ Portable & Rugged
- ✓ Range from 300 to 1200°C
- ✓ Resolution 0.1°C
- ✓ Stability better than ± 0.5°C
- ✓ Radial Uniformity better than ± 2°C
- ✓ UUC measure option provided
- ✓ Stabilization time & status indication provided
- ✓ Inter changeable insert to suit different diameter sensor – up to 39 mm
- ✓ Optional PC Interface with automatic calibration software

Technical Specifications

Model	TCAL 1501 / 1200
Display	4.3" True TFT LCD Display with Touch screen
Temperature Range	300 to 1200°C
Resolution	0.1°C
Stability	Better than ± 0.5°C
Radial uniformity	Better than ± 2°C
Stabilization Time	30 minutes
Temperature readout	°C
Heating time	50 mins (Amb. to 1200°C)
Cooling time	120 mins (1200 to 100°C)
Well Dimension	39 x 180 x 140 mm (dia x height x depth)
Standard well holes in mm	5.2, 6.2, 6.2, 10.1 & 12.1
Power supply	230V AC ± 10% / 50Hz (Optional 110V AC)
Power Consumption	1900 VA
Overall Dimension in mm	340 x 175 x 425 (L x B x H) (Approx.)
Weight	18 kg (without well insert) (Approx.)

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

SANSELSOFT Calibration software (optional)

Optional fully automatic documentation calibration software "SANSELSOFT" is provided with TCAL 1501 / 1200 to calibrate different variety of UUC automatically from your PC or Laptop and generate the calibration report with exact results without your presence always near TCAL 1501 / 1200 , will save your time to concentrate in various jobs. The SANSELSOFT calibration software having easy following steps makes your calibration easy , effective & time saver.

Step 1
- ❖ Create tag of Device / Unit under calibration (DUC/ UUC)
- ❖ Select tag of Device / Unit under calibration (DUC/ UUC) (if already tag created)

Step 2
- ❖ Specify calibration procedure

Step 3
- ❖ Select source calibration
- ❖ Select measurement calibration (if different measurement equipment available)

Step 4
- ❖ Select mode of calibration
- ❖ Select mode of Measurement (if different measurement equipment available)

Step 5
- ❖ Initialize source / Measurement Calibrators

Step 6
- ❖ Perform calibration

Step 7
- ❖ Specify Report number, Conclusion & Remarks

Step 8
- ❖ Print / Export Report

SANSELSOFT designed for perform calibration on field instruments with the use of standards and software communication. This software designed in the way, user can easily perform calibration. SANSELSOFT has powerful database support to maintain complete track records of each device calibration for long time. SANSELSOFT supports communication interface standards RS 232 and provides facility to add new standard / DUC instrument library. SANSELSOFT can be adopted for various types of instruments like electronic, electrical, temperature, pressure and optical measurement devices. SANSELSOFT increases Standard's Life-time by eliminating key operations and saves maintenance cost.

Standard Delivery

1. Basic Instrument
2. Instruction Manual
3. Standard well insert
4. Well tool
5. Mains Card
6. Spare Fuses
7. Traceable Calibration Certificate

Optional

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

Carrying case

QS
ISO 9001