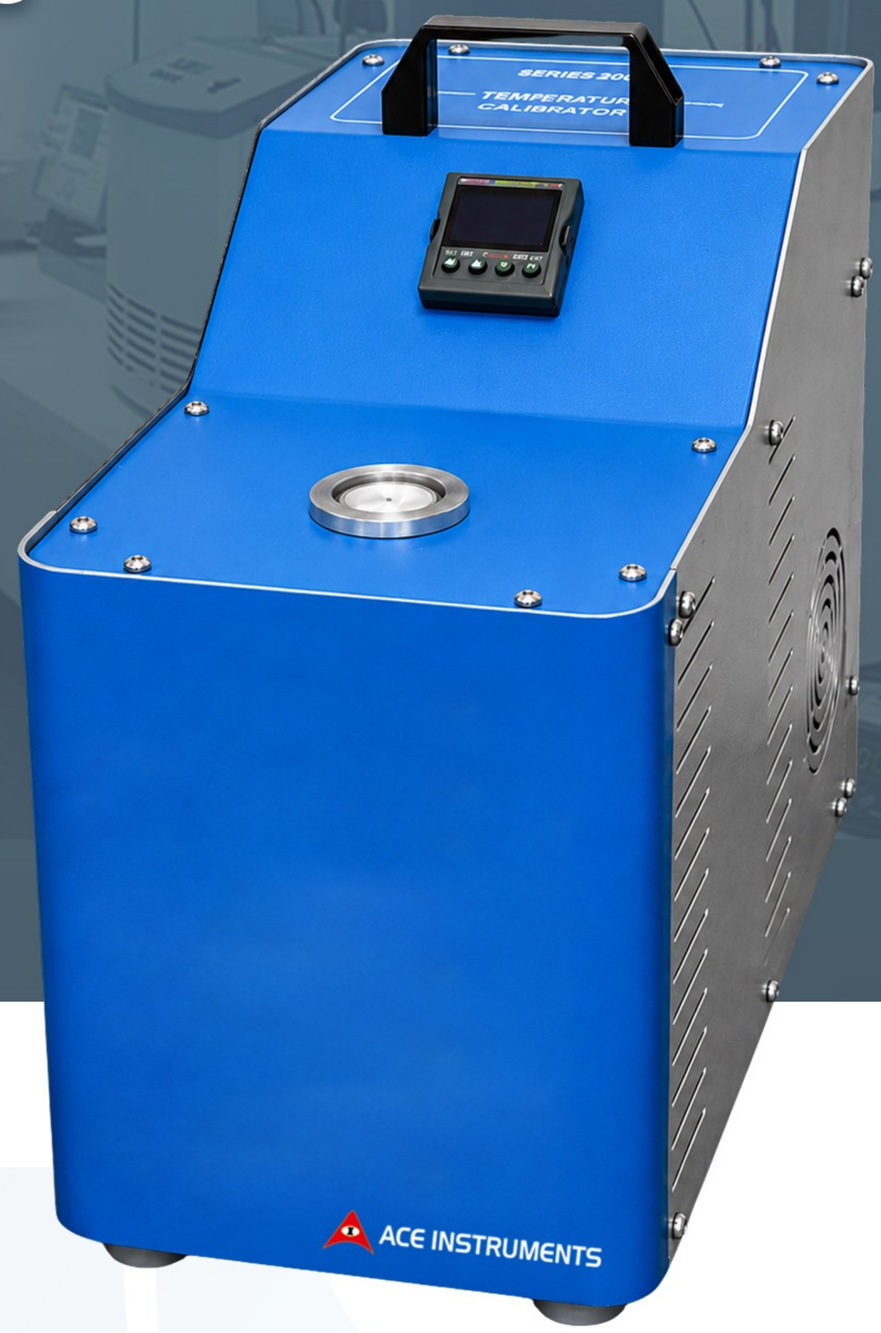
INSTRUKART®
YOUR WORLDWIDE INSTRUMENT PARTNER

Ultra Low Dry Block Temperature Calibrator

AI-DBC-UL | Range: -100°C to 25°C





Overview

AI Dry Block Temperature Calibrator is reasonable and perfect for **Ultra Low** calibration of temperature sensors like RTD Simulator, Thermocouples, temperature checks, temperature switches, and temperature transmitters. This Temperature Calibrator uses a microcontroller-based controller providing high-performance temperature stability and accuracy. This Temperature calibrator Tester is an essential tool for verifying, testing, and calibrating temperature transmitters and sensors used in industrial processes including **Marine Applications under SOLAS IX** Maintenance Regulations & **International Safety Management (ISM)**.

Features

- Advanced – PID-Controller
- Heavy Duty Portable / Bench-top Model
- High Resolution & Stability
- Switch Test Contact Measurement
- Multi-hole Thermowell Inserts

Specification

Features	Specification
Range	-100°C to +25°C
Resolution	0.01°C (+25 to -19.99°C) 0.1°C (-20°C from -100°C)
Accuracy	±0.3°C
Stability	±0.05°C
Stabilisation Time	15 Minutes
Temperature Readout	°C / °F Selectable
Well Diameter	30 mm
Immersion Depth	150 mm
Heating Time (-100 to 25°C)	50 Minutes approx.
Cooling Time (25 to -60°C)	40 Minutes approx.
Cooling Time (-60°C to -100°C)	50 Minutes approx.
Switch Test Facility	Provided
Interchangeable Thermowells	Multihole to suit 2 x 6.5 mm & 1 x 8.5 mm probes. Other sizes available as optional
Housing / Mounting	Bench-top
Power Supply	90 ~ 220V AC, 50/60 Hz
Instrument Dimensions (L x W x H)	439 x 240 x 358 mm
Instrument Weight	15 Kgs. (approx.)

What's in the Box

Standard Inclusions

- Basic Instrument
- Test Leads with Mains Cable
- Multihole Insertion Tubes to suit 2 x 6.5 mm & 1 x 8.5 mm probes
- Tool for Insertion Tubes
- Spare Fuses
- Calibration Certificates are issued in Accordance with our
- Scope as granted by NABL per ISO/IEC 17025:2017

  Standards Instruction Manual
- Carrying Case

Optional (Add- On) Items

- Computer Interface
- Caltemp" Calibration Software
- Additional Thermowells/Insertion Tubes (to choose from):

  Single hole standard sizes to suit:

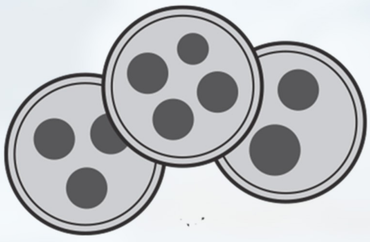
  1/8", 1/4", 3/8", 1/2", 3/4" & 3, 4, 5, 6, 7, 8, 10, 12, 13, 15, 17, 19 & 21 mm probes

  Multihole (Typical): (1x6 + 1x8) or (3x4) or (1x10+ 1x4) mm
- Dual Voltage Selection

Carrying Case



Multi-Hole Insertion Tube



Applications



Marine Facilities



Pharmaceutical Production Areas



Laboratories & Testing Rooms



Power Plants



Bioreactors & Autoclaves



Food Processing Plants

Related Products



AI-DBC



AI-DBC-M



AI-Humidity Calibrator

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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