



L2390 Ultra Cool Dry Block Temperature Calibrator

Extremely quick to reach Ultra-cool temperature
Portable, time-saving performance and increases productivity

The Measurax L2390 Ultra-Cool Dry Block Calibrator sets the standard as the most accurate and stable cold-temperature dry block available on the market. It is specifically designed for applications requiring stringent quality control and adherence to regulatory compliance.

Features

1. Ultra-cool dry-block calibrator with best-in-class stability
2. Excellent accuracy
3. Best-in-class stability ± 0.020 °C at -90°C
4. HMI display in °C/°F, switchable
5. Fast cooling time
6. Removable insert
7. Lightweight design for portability
8. Accepts probes up to 8,6 in diameter

Temperature Control Range

(-80/-90/-100) °C to 25 °C @ 25°C
(User Selectable)

Resolution

0.1 °C

Control Accuracy

± 0.1 °C

Thermal Instability

± 0.020 °C at -90°C
 ± 0.016 °C at -50°C
 ± 0.011 °C at 25°C

Thermal Non - Uniformity (Radial)

± 0.070 °C at -90°C
 ± 0.052 °C at -50°C
 ± 0.021 °C at 25°C

Best suited to Calibration & measurement application of Ultra-cool temperature of Vaccine manufacturing storage and transportation, Lyophilization, Plasma and blood industries, and all Ultra-cool Applications.

Applications

Vaccine Manufacturer-
to Calibrate low temperature sensors in ultracool area

Blood & Plasma Storage-
to Calibrate low temperature sensors or temperature indicator in Blood and Plasma storage areas.

Warehouse & Cold storage vehicals-
To Calibrate low temperature sensors or temperature indicator including medical freezers, laboratory refrigerators, cold rooms, sterilizers (autoclaves), and freeze dryers.

Calibration Laboratory-
Ideal for on-site validation and calibration, it supports RTD, thermocouples, thermometers & sensors used in process control equipment.

Product Specification	
Temperature range at 25 °C	-90°C (-100/-80 also Available) to 25°C at 25°C
Control accuracy	± 0.1 °C
Resolution	0.1 °C
Thermal Instability	±0.015 °C at -100°C ±0.020 °C at -90°C ±0.016 °C at -50°C ±0.011 °C at 25°C
Thermal Non Uniformity (Radial)	±0.080°C at -100°C ±0.070 °C at -90°C ±0.052 °C at -50°C ± 0.021°C at 25°C
Stabilization Time/settling time	10 minutes after set point is achieved
Cooling Time	70 Min.(Ambient to -90°C) @25°C 45 Min.(-90 to -100 °C) @25°C
Heating Time	15 Min.(-100 to 25°C) @25°C
Environmental Condition	Temperature -0 °C to 50 °C Humidity 0 % to 90 % RH (non-condensing)
Insert Specification	
Immersion (well) depth	120mm(4.7 inch)
Well Diameter	28mm

Best Cooling Time

Ambient to -80°C : 60 Minutes
Ambient to -90 °C : 70 Minutes
Ambient to -100 °C: 120 Minutes

Heating Time

-80 to 25°C : 10 Minutes
-90 to 25°C : 15 Minutes
-100 to 25°C : 20 Minutes

Power Supply/Consumption

230 V(AC), (50 Hz)/300 Watt

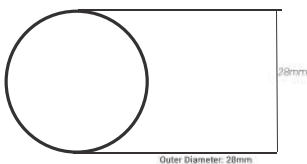
Portability

Weight :10 Kgs

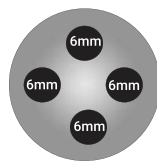
Construction Size (H x W x D)

450(H) x 220(W) x 350(D) mm

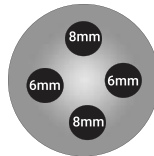
Insert Dimensions



Insert Options



Standard (S) Insert



Insert A

Ordering Information

1. Select temperature Range

-100°C | -90°C | -80°C

2. Accessories

Carry Bag

ISO/IEC: 17025 Accredited Certificate

Measurax Enterprise

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