



Dry Block Temperature Calibrator

Model No. ED-27X

Range : -27°C to 100°C @ 25°C

**Easy to Carry,
Portable
Ergonomic
Design**

**High Precision
Best in class
Thermal Stability &
Uniformity**

**Calibration of
thermometers,
temperature sensors,
temperature
indicators**



Features

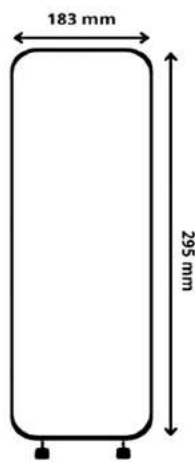
1. Temperature range -27 °C to 100 °C @ 25 °C.
2. Light weight, Rugged, Fast cooling to deep freezing range.
3. No bulky compressor.
4. Best In class product for Calibration of temperature sensor, Thermometers, Transmitters.
5. No Bulky compressor.



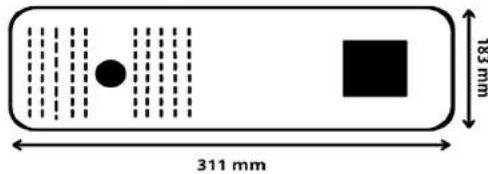
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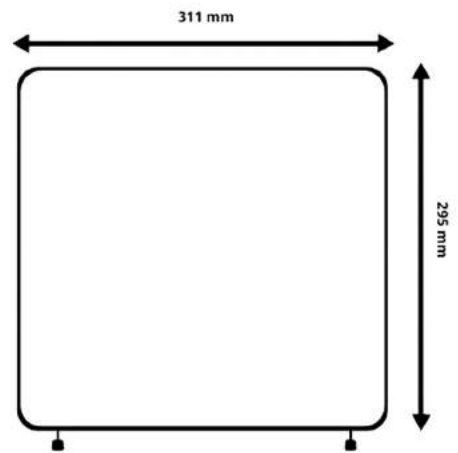
Dimensions



Side View

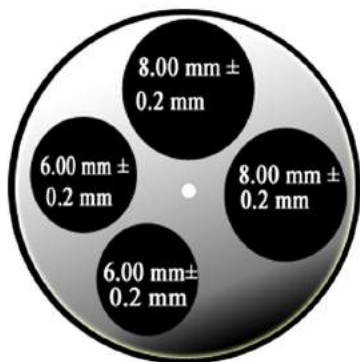


Top View



Front View

Insert Dimensions



Top View

Well Diameter : $22.0 \text{ mm} \pm 0.3 \text{ mm}$

Immersion Length (Well Depth) : $102.0 \text{ mm} \pm 2 \text{ mm}$



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Technical Specification

1. Temperature Range: -27 °C to +100 °C @ 25 °C ambient temperature.
2. Control accuracy: ± 0.05 °C Below Ambient temperature.
3. Control accuracy: ± 0.1 °C Above Ambient temperature.
4. Thermal stability:
 - ± 0.01 °C @100 °C (calculated after stabilization time of 10 minutes).
 - ± 0.01 °C @ - 27°C (calculated after stabilization time of 10 minutes).
5. Thermal Nonuniformity (Radial):
 - ± 0.15 °C @100 °C (calculated after stabilization time of 10 minutes).
 - ± 0.10 °C @-27°C (calculated after stabilization time of 10 minutes).
6. Stabilization Time/settling time: 10 minutes after set point is achieved .
7. Time to reach -27 °C (15 Minutes) from 25 °C ambient temperature .
8. Power supply: 100-240 VAC @50-60 Hz.
9. Current : 0.7 A.
10. Power Consumption: single phase , 170 Watt maximum.
11. Sound: 30 dB.
12. Enclosure Metal(Aluminium Material).
13. Weight : 9 Kg

Storage Condition

1. Temperature: 0 °C - 40 °C.
2. Relative Humidity: 30 % RH -85 % RH .
3. Fuse rating :3 A.
4. Non Condensing

Accessories

1. Carry bag.
2. Pointer puller
3. Operating manual.
4. 17025 Accredited Calibration certificate: Optional
5. Customised Insert: Optional

Caters
to large
calibration work
load from Deep freez-
ing temperature
range to
100 °C