



Temperature humidity Calibration chamber(Mini)

Model No. THTC-02B

Large Display
window
Ergonomic
Design

High Precision
Best in class
Hygro-Thermal
Stability &
Uniformity

Large Volumetric
space to cater
high calibration
work load in
minimum
time





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Features

Temperature humidity Calibration Chamber(THTC-02B) is a peerless front runner product in tunix product range which facilitates users to perform Calibration of various temperature and humidity products like thermohygrometers, transmitters, Temperature/ Humidity recorders.

THTC-02B is a dry gas based chamber which works from 10 % RH to 90 % RH and temperature from 5 Deg C to 50 Deg C.

Note*: A separate dry gas(Nitrogen) source/cylinder is required additionally.

Technical specification

- 1) Temperature Range: 5°C to 50 °C
- 2) Humidity range : 10 % RH to 90 % RH*.
- 3) Display Resolution: 0.1 °C , 0.1% RH.
- 4) Control accuracy: Better than ± 0.1 °C, 0.1 % RH.
- 5) Thermal in-stability:
 ± 0.4 °C (after stabilization time of 10 minutes).
- 6) Humidity Instability..
 ± 0.3 % RH (after stabilization time of 10 minutes).
- 7) Thermal Non-uniformity:
 ± 0.6 °C (after stabilization time of 10minutes)
Humidity Non uniformity
 ± 0.6 % RH (after stabilization time of 10 minutes).
- 8) Stabilization Time/settling time: 10 minutes after set point is achieved.
- 9) Time to reach to 5 °C from ambient temperature: 45 minutes.
- 10) Time to reach 50 °C from ambient temperature: 30 minutes.
- 11) Time to reach 90%RH from 50 % RH: 10 minutes.
- 12) Time to reach 10%RH from 50 % RH: 10 minutes.
- 13)Power supply: 230 VAC @50-60 Hz, single phase.
- 15) Current : 6A(Maximum).
- 16) Power Consumption: single phase ,500 Watt maximum.
- 17) Calibration chamber capacity: 135mm(W) X 320mm(L) X 240mm(H), 19 Liter.
- 18) Weight: 21kg
- 19) Over All dimension : 400mm(L)X 510(W) X400mm(H)

A world class premium product, Best in its class to cater calibration of all kinds of temperature/ RH sensor



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Note:

- 1) Stability is calculated as the best data for the period of two minutes after stabilization, the reported value is Sigma(σ), 120 samples taken for the calculation.
- 2) * Lower Humidity range depends on the dryness of the input gas.

Standard Accessories

- 1) Operating manual With Warranty certificate and general factory Calibration Certificate.
- 2) 17025 Accredited Calibration Certified(Optional).

Site Requirement(in customers scope)

- 1) Dry Gas(nitrogen) Source/ Cylinder with minimum continuous supply pressure of 2 bar is needed.
- 2) Pressure Regulating assembly.