

PRODUCT DATA SHEET

NAME: Bench top High-low temperature test chamber

ITEM NO.: AMTH-50



SPECIFICATION

Specs & Technical Parameters

Temperature range	-40℃ ~ +150℃
Temperature fluctuation/deviation	≤±0.5℃ / ≤±2℃ (load free)
Temperature deviation	-40℃~+100℃≤2℃; +100℃~+150℃≤3℃
Ramp up / down rate	+20~+150℃ ≤40min; +20~-40℃ ≤70min (load free)
Internal / External dimensions	320Dx350Wx450H(mm) / 1300Dx600Wx1200H(mm)
Humidity rang	20%~98%RH
Humidity deviation	+2, -3% R.H
Humidifier	External isolation, stainless steel surface evaporation humidifier

Application

Used for reliability test and environmental test of dust-free material, electronic or electric product or component.

Standards meet

GB2423.1-89

GB2423.2-89

GB/T5170.2-1996

Working environment

Ambient temperature: 10℃~35℃

Relative humidity: ≤85%RH

Power source: AC220±10%V, 50--60Hz, single phase + GND

Power: 4.5KW

Features

1. **Material:** two-sided galvanized steel plate, and SUS304 stainless steel plate.
2. **Heat-insulating material:** hard polyurethane foam and glass fiber, with enough thickness.
3. **Parts connection:** weld of seamless tungsten electrode arc, with watertight treatment.
4. **Air adjustment system:** forced circulation with centrifugal fan, heat with nichrome heater and cooled with compressor.
5. **Refrigeration system:** world famous brand totally closed compressor, eco-friendly refrigerant

6. Controller system

6.1 Originally imported microcomputer integrated programmable controller, LCD displayer with touch screen, simple and easy to operate and edit program.

6.2 Bilingualism display with Chinese, English and Russian.

Real-time operation diagram also can be displayed.

6.3 Program capacity: 100 groups of formula, 1000 segments 999 cycle, every segment of time can be set with maxium limit of 99 hours 59 minutes.

6.4 With automatic lock function, can lock the data and test term after input, to avoid closing down caused by random touch..

6.5 With RS485,USB and Ethernet remote communication interface, operator can design formulas on computer, monitor test procedure and carry out start and shut function, collect data and record, etc.

6.6 With automatic calculating function, can modify temperature and humidity changing term, to refine temperature and humidity control.



7. **Protection device:** over-temperature for specimen, overheating for motor, overpressure, overheating and over-current for compressor; earth leakage protective device.

Standard configuration

- 1, Communication interface: USB, RS232;
- 2, Φ50mm test hole with cover and soft plug;
- 3, Shelf 2 sets;
- 4, Power line, 1 piece, 2.5m length.
- 5, Files: packing list, user manual, certificate of quality, warranty card.