

**NAME: Bench top High-low temperature test chamber**

**Model: AMT-31**



## QUOTATION

<b>Item:</b>	<b>Bench top High-low temperature test chamber</b>
<b>Model No.:</b>	<b>AMT-31</b>
<b>Price:</b>	<b>USD \$6600.00/set based on FOB Shanghai</b>
<b>Payment term:</b>	<b>T/T in full in advance</b>
<b>Delivery time:</b>	<b>30 days from the receipt date of payment</b>
<b>Validity:</b>	<b>30 days</b>
<b>Key indexes</b>	
<b>Capacity:</b>	<b>36 L</b>
<b>Temperature range:</b>	<b>-40℃~+150℃</b>
<b>Temp. fluctuation:</b>	<b>≤±0.5℃</b>
<b>Temp. Uniformity:</b>	<b>±2.0℃</b>
<b>Compressor:</b>	<b>Imported French Tecumseh with original packing</b>

## SPECIFICATION

Specs & Technical Parameters	
Temperature range	-40℃ ~ +150℃
Temperature fluctuation/deviation	≤±0.5℃ / ≤±2℃ (load free)
Temperature deviation	-40℃ ~ +100℃ ≤2℃; +100℃ ~ +180℃ ≤3℃
Ramp up / down rate	-40 ~ +150℃ ≤80min; +20 ~ -40℃ ≤60min (load free)
Internal / External dimensions	400Dx300Wx300H(mm) / 1000Dx600Wx800H(mm)

### Application

Used for reliability test and environmental test of dust-free material, electronic or electric product or component, military product. Conform to National Standard and Military Standard.

### 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: 2KW

### Features

- Material:** two-sided galvanized steel plate, and SUS304 stainless steel plate.
- Heat-insulating material:** hard polyurethane foam and glass fiber, with enough thickness.
- Parts connection:** weld of seamless tungsten electrode arc, with watertight treatment.
- Air adjustment system:** forced circulation with centrifugal fan, heat with nichrome heater and cooled with compressor.
- Refrigeration system:** world famous brand totally closed compressor, eco-friendly refrigerant R404a.
- Controller:** TEMP880 from Korea, touch screen displayer, resolution 0.1℃, 0.1%RH, 0.1min.; Running with constant value or program; Displays data of setting temp., actual temp., total running time, running time of segment, residual time of segment, heating condition, calendar time; Automatically choose working status of compressor according to test terms.

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 and English. 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 maximum 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 RS232/485 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.



(for reference)

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, Φ 50mm test hole with cover and soft plug;
- 3, Shelf 2 sets;
- 4, Power line, 1 piece, 5m length.
- 5, Files: packing list, user manual, certificate of quality, warranty card.