



BENCHTOP ENVIRONMENTAL TEMPERATURE & HUMIDITY TEST CHAMBER

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TEST CHAMBER

Are you in search of a compact benchtop temperature humidity chamber to efficiently complete your testing tasks? Do you dislike the footprint and noise of other temperature chambers? Need to integrate other test equipment? **Our benchtop temperature humidity chamber is the ideal solution for you.**

Benchtop temperature humidity chamber from Qualitest, with 22L capacity is widely utilized in scientific research, research institutes, quality inspection departments, and various industries to perform temperature and humidity tests on electronic and electrical products, materials, components, equipment, etc. This includes alternating heat tests, constant temperature tests, and high and low-temperature routine tests. Moreover, it can be utilized for low-temperature test to evaluate the performance of the sample under specific environmental conditions.

**Advanced features with
the ultimate flexibility**

EASY TO INSTALL AND OPERATE

The new benchtop temperature humidity chamber from **Qualitest** is compact enough to fit underneath a desk surface or on top, ensuring convenient installation. **It's designed for seamless integration with other test equipment to produce comprehensive test results.** The smaller models operate on standard 115V power (or 220V upon request), allowing for easy installation anywhere. Exceptionally quiet operation, with noise levels as low as 52 dB, makes it suitable for quiet labs or offices.





FEATURES/ADVANTAGES

- Advanced design with a space-saving footprint and quiet operation, ideal for offices and small labs.
- One 1" diameter cable port on the right side
- One adjustable stainless steel shelf.
- Temperature output terminals.
- Three levels of overheat protection for enhanced safety.
- Power supply control terminal for efficient management of power.

BENCH-TOP TYPE TEMPERATURE & HUMIDITY CHAMBER

- 40°C ~ 150°C

The noise is
less than 50 db

★★
2
YEARS
WARRANTY

TECHNICAL SPECIFICATIONS

MODEL: **QT-THC-22-CC**

TEMPERATURE	
Temperature range	-40°C~150°C
Temperature fluctuation	±0.5°C
Cooling rate	150.0°C ~ 25.0°C Cooling rate 2.0 ~ 3.0°C/min 25.0°C ~ -40.0°C Cooling rate 1.0 ~ 2.0°C/min -40.0°C ~ 60.0°C Cooling rate 0.7 ~ 1.5°C/min
Heating rate	-40.0°C ~ 150.0°C Within about 60 minutes 3.0 ~ 5.0°C/min
Temperature uniformity	±1.0°C (-40.0°C ~ 100.0°C)
	±1.5°C (100.1°C ~ 150.0°C)

HUMIDITY	
Humidity range	20.0% RH ~ 95.0% RH
Humidity fluctuation	±1.0% RH
Humidity uniformity	±2.0% RH

MATERIAL	
Internal material	SUS304 stainless steel(1.2mm)
External material	cold-rolled plate(1.2mm), powder coating
Heat insulation	polyurethane foam (100mm) + glass wool (10mm)
Fan	Centrifugal fan(Impeller Fan)
Refrigeration compressor	hermetic compressor(Tecumseh)
Cooling mode	air cooling
Refrigerant	R404A, R23, R508
Evaporator	finned-tube exchanger
Heater	nickel chrome strip heater
Humidifier	Steam Humidifier

TECHNICAL SPECIFICATIONS

MODEL: **QT-THC-22-CC**

SIZE	
Volume	22L
Interior W*H*D	300 x 300 x 250 (mm)11.811 x 11.811 x 9.8425 (inches)
Exterior W*H*D	480 x 835 x 990 (mm)18.8976 x 32.874 x 38.9764 (inches)
Weight	85 (kg)187.3927 (lbs)

WORKING TEMPERATURE	POWER SUPPLY
+5 ~ 35°C	220V/AC 50/60Hz 12A (110V is also available. Please specify when ordering)





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Contact us for your nearest regional sales office, service center or distributor.

[Toll-Free: 1.877.884.TEST \(8378\)](#) | [Fax: 954.697.8211](#)

info@qualitest-inc.com | www.WorldofTest.com

Qualitest USA: 8201 Peters Rd., #1000, Plantation, FL 33324, USA

Qualitest International: 70 East Beaver Creek Rd., #9, Richmond Hill, Ontario L4B 3B2, Canada

Qualitest FZE - GCC/Middle East/Africa: Jafza One, BB 1610, Jebel Ali Free Zone, PO Box 261440, Dubai, UAE