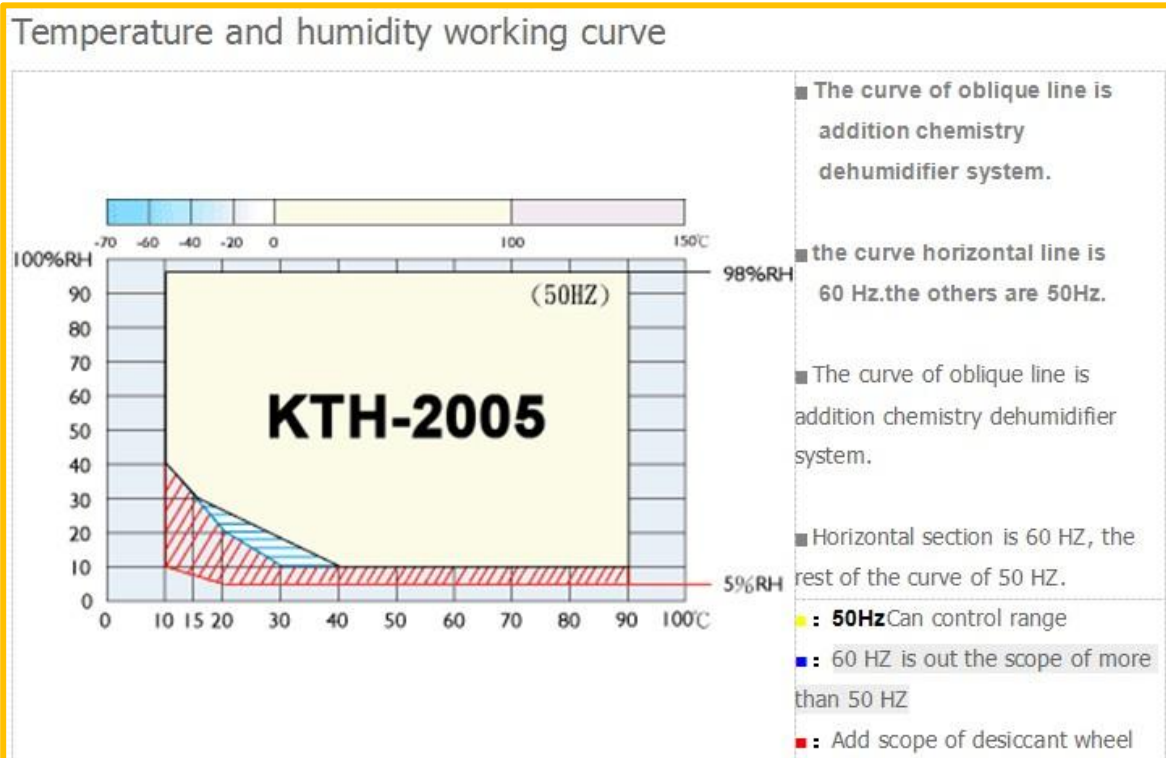




Temperature And Humidity Test Chamber

Model	NG-TH80	NG-TH150	NG-TH225	NG-TH408	NG-TH608	NG-TH800	NG-TH1000
Workroom Sizes (cm)	40*50*40	50*60*50	50*75*60	60*85*80	80*95*80	100*100*80	100*100*100
Inner Chamber Volume	80L	150L	225L	408L	608L	800L	1000L
Temperature Range	-40°C~150°C (A: -20°C; B: -40°C; C: -70°C are optional)						
Temperature Fluctuation	≤±0.5°C (standard)						
Temperature Evenness	≤±1°C						
Temperature Deviation	≤1°C						
Accuracy	0.5°C, 2.0% R.H						
Humidity Range	20% ~ 98% R.H						
Humidity Deviation	±2% R.H						
Temperature Rise Speed	2.0°C ~ 5.0 °C/min						
Temperature Cool Speed	0.7°C ~ 1.2 °C/min						
Time Needed for Heating	RT°C ~ 200°C ≤30min						
Time Needed for Cooling	RT°C ~ -40°C ≤60min						
Noise	72 dB (A)						
Material	Inner chamber: # SUS 304 stainless steel						
Wind Cycling Way	Centrifugal fan forced air circulation						
Refrigeration Way	Single stage compression refrigeration						
Refrigerants	R404A & R23 USA HONEYWELL environmental protection refrigerant						
Condensing Way	Air-cooled or water-cooled						
Heater	Nickel chrome heating wire heater						
Humidifier	Semi-closed steam and wet						
Water Supplying Way	Automatic cycling water supply						
Standard Accessories Parts	1 Observe window (double-deck cavity toughened glass); 50mm testing hole; PL internal bulbs; Partition plate; Dry and wet ball gauze; 3 fuses; 1 power line etc...						
Safety Device	Compressor overload protection; Fuse protection; Overheat protection; Humidifier dry-combustion protection; High/low pressure of refrigerator; Over-humidity and temperature protection; Water shortage protection; Over-current protection; Over-current circuit breaker; Earth leakage protection etc...						



Features

- LED Touch Screen
- PID Control of Temperature and Humidity
- Both Temperature and Humidity are Programmable (can have 120 patterns, 1200 segments)
- With Humidity Sensor
- With RS485/232 output to computer
- Window Software
- Remote fault notification(optional)
- With Viewing Window
- With thermostats (prevent overheat)
- Cable Ports (50mm diameter)
- With Data Storage function by USB Flash Memory
- Protection (phase protection, overheat, over current etc)
- Water Tank with level detector
- Adjustable Shelf
- Anti-condensation technology of the workroom .(Optional)
- User friendly three color LED indicator lamp ,easy to read working condition



Model:

NG-TH (80/150/225/408/608/800/1000)



NG-TH Series:

Outer Material: Steel Plate Paint

NG-THB (80/150/225/408/608/800/1000)



NG-THB Series:

Outer Material: Stainless Steel

Other Appearance Optional (Steel Plate Paint)





Customized Service are Available as Per Client's Needs

Small Size Desktop Test Chamber, the size support customization.



Working Volume: 22L

Working Volume: 44L



Large Size Test Chamber, the size support customization.





Walk-In Environmental Test Room, the size support customization.





Application:

Programmable Temperature Humidity Climatic Test Chamber is applied to test the materials in heat-resistance, cold-resistance, dry-resistance, moisture-resistance. It is simple to operate and program easy to edit. It can show the set values and operative time.

Programmable Temperature Humidity Climatic Test Chamber applied to test the products quality, such as electronic, plastic products, electrical appliances, instruments, food, vehicles, metals, chemicals, building materials, aerospace, medical care and so on.

Design Standard:

GB11158 - 2008: Specifications for high temperature test chambers

GB10589-89: Specifications for low temperature test chambers

GB10592-89: Specifications for low / high temperature test chambers

GB/T10586-89: Specification for damp heat test chambers

GB/T2423.1-2008 / IEC 60068-2-1:2007: Environmental testing for electric and electronic products -- Part 2: Test Methods -- Test A: Cold

GB/T2423.2-2008 / IEC 60068-2-2:2007: Environmental testing for electric and electronic products -- Part 2: Test Methods -- Test B: Dry heat

GB/T2423.3-2006 / IEC 60068-2-78:2001: Environmental testing for electric and electronic products -- Part 2: Testing method -- Test Cab: Damp heat, Steady state

GB/T2423.4-2008 / IEC 60068-2-30:2005: Environmental testing for electric and electronic products -- Part 2: Testing method -- Test Db: Damp heat, Cyclic (12h + 12h cycle)

GB/T2423.22-2002 / IEC 60068-2-14:1984: Environmental testing for electric and electronic products -- Part 2: Testing method -- Test N: Change of temperature

IEC60068-2-1.1990: Environmental testing - Part 2: Tests -- Test A: Cold

IEC60068-2-2.1974: Environmental testing - Part 2: Tests -- Test B: Dry heat

GJB150.3 - 1986: Environmental test methods for military equipment -- High temperature test

GJB150.4 - 1986: Environmental test methods for military equipment -- Low temperature test

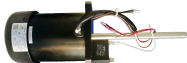
GJB150.9 - 1986: Environmental test methods for military equipment -- Damp heat test



Standard List of Main Parts

No.	Item	Brand	Picture
1	Controller	TAIWAN "UESOFT"	
2	Compressor	FRANCE "TECUMSEH"	
3	AC Contactor	FRANCE "TECUMSEH"	
4	Thermal Relay	FRANCE "TECUMSEH"	
5	Solid State Relay	TAIWAN "MGR"	
6	Intermediate Relay	FRANCE "TECUMSEH"	
7	Sensor	PT100	
8	Time Relay	TAIWAN "CIKACHI"	
9	No-fuse Switch	FRANCE "TECUMSEH"	
10	Over Temp. Protector	JAPAN "OMRON"	



11	Button Switch	CHINA "RUIDA"	
12	Motor	TAIWAN "YIZHENG"	
13	Wind Wheel	TAIWAN "CAM YORK"	
14	Condenser	TAIWAN "NORTHMAN"	
15	Evaporator	TAIWAN "NORTHMAN"	
16	Heater	CHINA "WEIDE"	
17	Humidifier Tube	CHINA "WEIDE"	
18	Condenser Fan	CHINA "MAER"	
19	Refrigerant	USA "R404A HONEYWELL"	
20	Refrigerant Oil	USA "EMKARATE"	
21	Solenoid Valve	TAIWAN	
22	Humidifying Water Cup	Optional	

**Touch screen controller**

a. With digital display, graph display, error diagnostic, programming and segments setting, alarm setting, history display, password protection
b. Program up to 120 pattern & 999 segment

**Humidity Sensor**

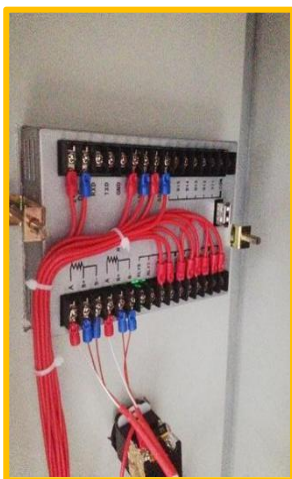
Dry and wet bulb method (this is standard)
High accuracy Rotronic digital humidity probe (optional)

**Viewing Window**

200mmx300mm (WxD)
With fluorescent lamp

**Cable Port**

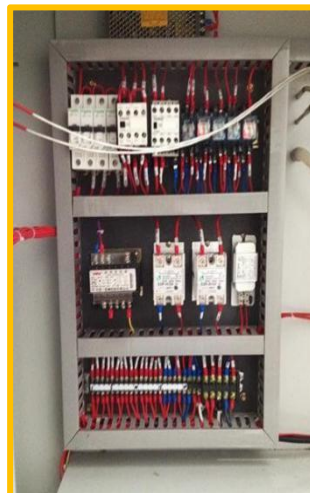
O.D.: 50mm (standard)

**Castors****Compressor Design****Lockable Power Switch****Adjustable Shelf**

USB Flash Memory place the chart recorder Date stored directly

**Water Tank**

With water level detector

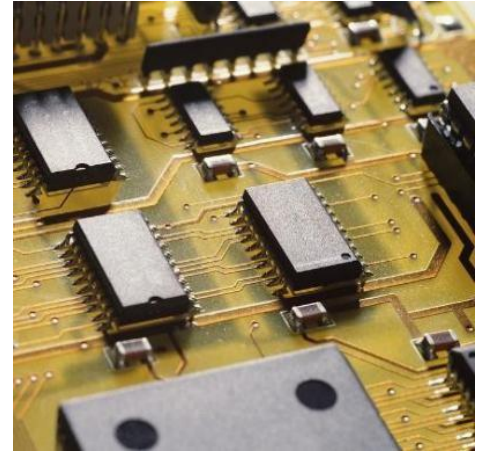
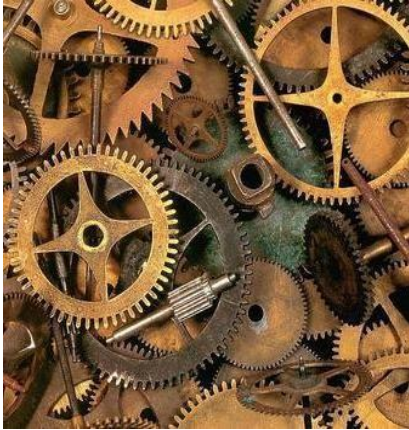
**Circuit system****RS485/232 interface**

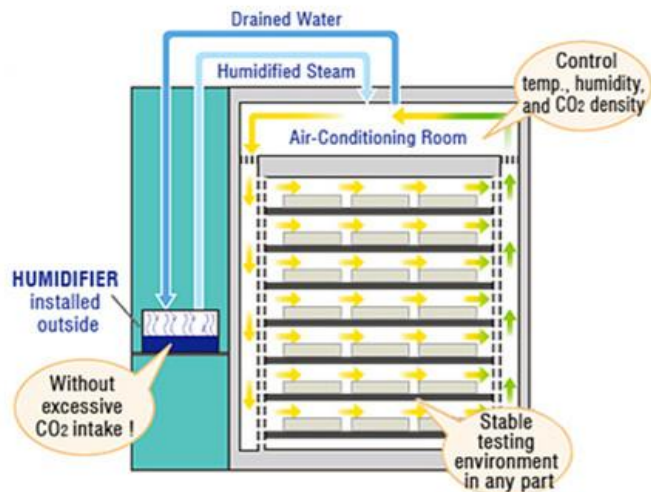
With PC software

Parameter can be customizable according to users' need

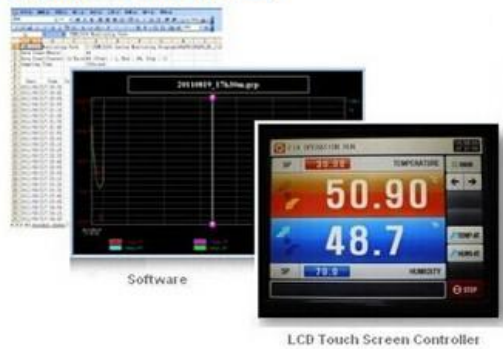


This test chamber can be widely used in many fields , like electronics, appliance, vehicles, instruments, metal, food, chemicals, building material, drug packages,space light material ect.





Capacity: 80L-1000L (optional)









After-sales Service



- 1) 12 months product warranty. Free components will be provided if any performance failure occurs within 12 months caused by non-human damage.
- 2) If you face any problems in future during testing process, We will serve as a technical adviser for lifetime, give you a reply within 48 hours and the solution provided within 3 working days.
- 3) We will provide some guidance for the normal use of the machine, and in the case of the machine is not used for a long time, protection guidance provided, then keep the good performance of the machine.
- 4) We can offer operation video and operation manual, also can provide video-conference.
- 5) If necessary, on-site service will be provided, but the transport and travel expense shall be borne by customer.

PRODUCTION LOGISTICS



1.Design



2. Production Material



3. Accessories Processing



4. Product Assembly



5. Product Debugging



6. Packaging & Shipping



OUR SERVICE



- **Unbeatable prices**, we are constantly trying to find ways to reduce our production costs and give you through price!
- Strong brand awareness, our company is gradually building our brand, for which we will seriously treat every customer, and ensure the quality of each product.
- Special Offers In order to maintain our competitive edge, **we are constantly running special offers on our promotion tester machine, consumer goods, and design services**. Contact our sales team to see how we can help you save a lot of money.

OUR SERVICES

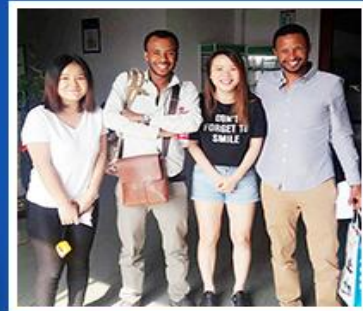
- **One year Warranty** including free maintenance and changing Instrument components
- We will offer operation video, English operation manual, life-long technical assistance and video teaching
- **Future testing solutions consultation and laboratory free test**, you can send samples to us, and we can test it for you





GROUP PHOTO

GROUP PHOTO OF CUSTOMERS



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