

PROGRAMMABLE TEMPERATURE HUMIDITY TEST CHAMBER



Application:

Lenpure Temperature & Humidity Chamber As one must-have test equipment for aircraft industry, automobile industry, home appliance industry and scientific research field etc, applied widely in aerospace/aviation/Defense /electrical parts/metal parts/auto spare parts/LED/Pharmaceutical industry etc.

Specially custom-designed chambers are available

Temperature & Humidity Series including, but not limited to:

Ultra-Low Temperature Test Chamber

High & Low Temperature Test Chamber

Programmable Temperature & Humidity Test Chamber

Programmable Constant Temperature & Humidity Test Chamber

Benchtop Constant Temperature & Humidity Test Chamber



دقیق پرتو

DAGHIGH PARTO

Laboratory Test Equipment

شرکت دقیق پرتو

تامین کننده تجهیزات آزمایشگاهی و کنترل کیفی

۰۲۱-۶۶۹۳۷۲۱۴

Model	LRHS-101-LJS	LRHS-225-LJS	LRHS-504-LJS	LRHS-800-LJS	LRHS-1000-LJS
Capacity	101L	225L	504L	800L	1000L
Dim of Working Room	450X450X500	500X600X750	700X800X900	800X1000X1000	1000X1000X1000
Overall Dimension	1160X1000X1610	1210X1510X1870	1260X1340X2070	1370X1550X2170	1560X1550X2170
Power	4.0KW	4.5KW	7.0KW	9.0KW	11.5KW
Temp. Range	0°C/-20/-40/-60/-70 °C ~ 150°C				
Temp. Uniformity	≤2°C				
Temp. fluctuation	± 0.5°C				
Temp. Increase rate	1°C~5°C/min nonlinear/no load				
Temp. Decrease rate	1~5°C/min nonlinear/no load				
Humidity Range:	20%~98% R·H				
Humidity Uniformity:	+2% ~-3% R·H				
Prohibition of test specimen	The test equipment prohibits testing or storing inflammable, explosive and volatile test specimen. corrosive test specimen. biological test specimen. electromagnetic emission source test specimen. radioactive test specimen. toxic test specimens. the test specimens that may produce toxic substances during testing or storing process.				
Operate environment	5°C~ + 30°C ≤85%°C				
Customization	Available				

Structure

Exterior Material: A3 Steel board with powder coated

Interior Material: Mirror Stainless Steel-SUS#304

Insulation way of Chamber: Glass fiber cotton or polyurethane foam

Heater: Nickel-chromium naked wire heating

Humidifying Way: Shallow water bath with immersed heater/sensor system to generate uniform humidity

Sensor: PT-100Ω

Water Tank: 15L Auto fill via pump/Lack of water protector

Casters: One set of 4-Heavy Duty **Light:** Philips

Observing Window: 1 PC(215×275mm)/(395*395mm);

Door: 1 PC

Accessories:

For the temperature humidity test chamber

(Remark: If it is temp only chamber, the machine don't include the water road system)

The controller designed on the right side of the chamber



Observing window-With light installed inside the window



Water Tank



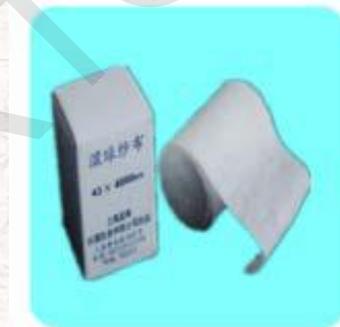
Cable access port:
Φ50 or 100mm * 1 pc



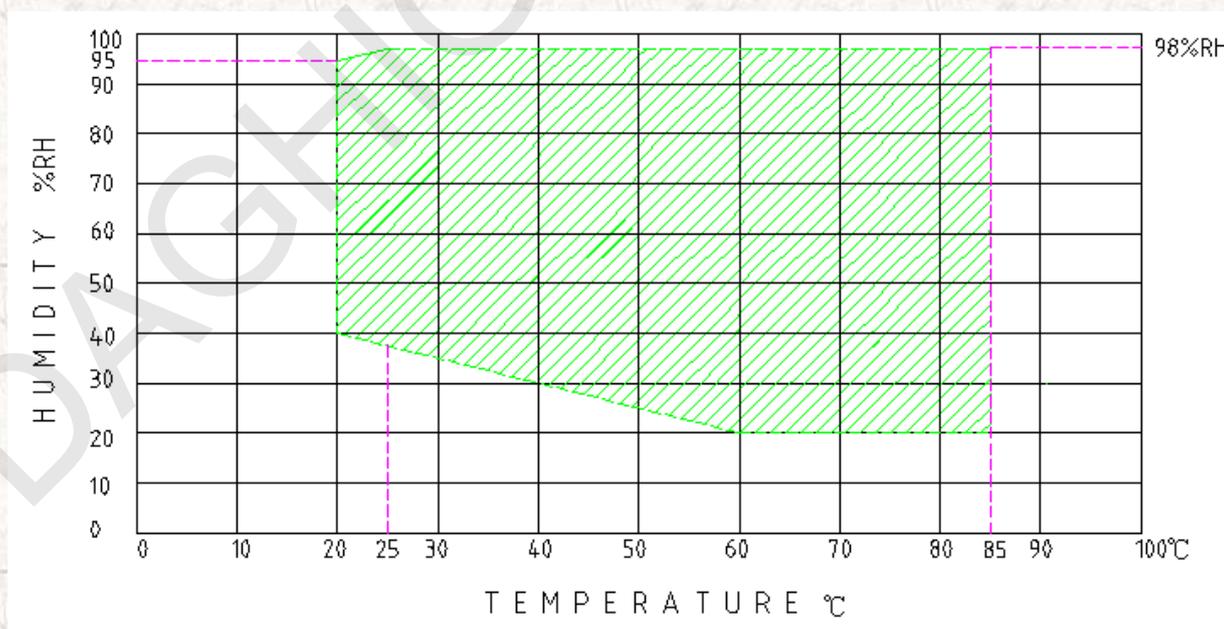
Sample shelves: 2 Levels



Wet gauze ball



Temperature Humidity curve



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۰۲۱-۶۶۹۳۷۲۱۴

The introduction of appearance

Multilayer hollow tempered glass to reach the effect of soundproof & heat resistant.



Fan Motor

Touch Screen Controller

Left: internet interface

Right: USB Interface

Left: Temp limiter

Right: Power button

Main Power Switch



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Glued with transparent
conducting film to heat
& defrost



Double-layer high temp-Resistant
sealing strip to guarantee seal of the
testing area.



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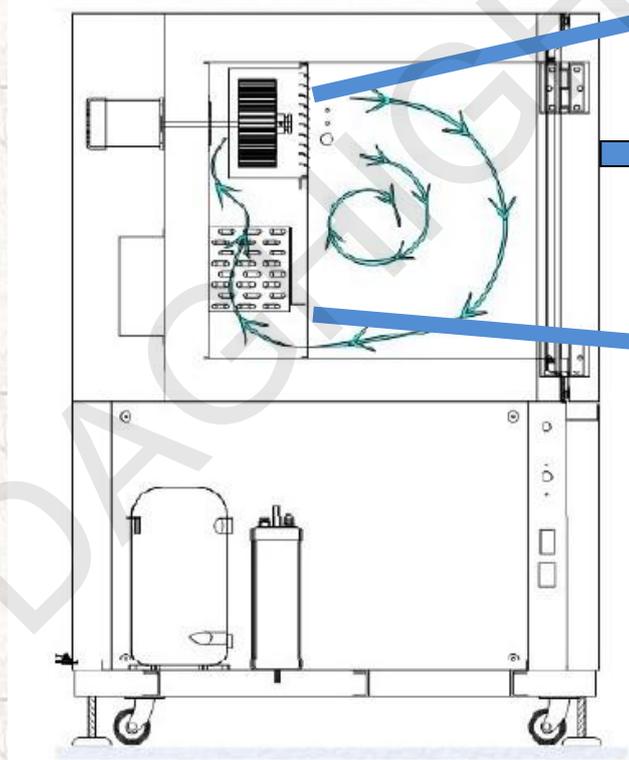
Front View



Air outlet

Return air inlet.

Right View



The upper hole is air outlet

We install 1PC long-axis fans at the back of the testing zone. Is stainless steel and high low temperature resistant. Multi-leaf type impeller to achieve strong air convectively and vertical diffused circularly.

The below hole is return air inlet.

Upper outlet continuously makes air out, while the below inlet continuously makes air in. To form the cycle and finally keeps that the temperature in the chamber reaching the setting value.



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Upper temp limited protector: Monitor temp of heater strip area and keep safe.

Below temp limited protector: Monitor temp of heating pipe in the shadow groove and keep safe.

Upper Transparent water level box to supply the wet bulb water tank.

Below Transparent water level box to supply the water of shallow groove.

Beside the electrical system, we install a fan for heat dissipation and keep safety.

Electrical System

Waterway System

Electrical System and Waterway System are designed separately to guarantee safety

The preparation before using



Step 1: Connecting the industrial power supply



Step 2: Pull the left water injection box out



Step 3: Inject the purified water



Step 6: Put the switch power on the controller panel into "On"



Step 5: Install the sample holder and put the specimen on the level ball



Step 4: Hang the Wet gauze and put the specimen on the level ball into the small watertank

Remark:

Sometimes customers worry about the installation of this kind of instrument. Please don't worry. The machine we send to our customer is an all-in-one unit. The installation operation of the machine is very easy. Just follow my steps one by one from the picture, and you can try to use the machine together with the user manual.

Spare Parts

Most of the spare parts our factory adopted the brand abroad to guarantee the most stability and compatibility to guarantee the wonderful user experience.



Evaporator



Condenser



Compressor
Tranch Tecumseh



Fluorescent
Lamp-Philips
Netherlands



Oil Separator
Taiwan Guanya



AC relay
Schneider



Thermal overload relay
Schneider



Touch Screen Controller
Japan Unique



Motor



Condensing pressure
regulating valve
Denmark Danfoss



Temperature Humidity Sensor



Solid-state relay(SSR)Taiwan ANV



observing window



Movable wheel



Expansion valve
Denmark Danfoss



Dry filter
Denmark Danfoss



Pressure Switch
Denmark Danfoss



Magnetic valve-Italy Castal



AC Contactor-Schneider



Refrigerant-R404 Dupont USA

Our Project



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After sale service guarantee

From machine's R&D, drawing, parts purchase, production are both controlled

by LENPURE. LENPURE is familiar with every production step, every parts' installation place, every possible breakdown and solution. The main after sell service procedure please check below:

1) Customer email LENPURE about the breakdown description(Pictures or video is preferred)

2) Within 1 working days, LENPURE give feedback or solution (If LENPURE needs customer to take pictures about

some part of the machine, customer's reply is very helpful for LENPURE to make troubleshooting.

3) By LENPURE engineer's troubleshooting, if checked that some part(except glass nozzle) is possible broken by non-artificial reason, If necessary, customer make delivery to LENPURE about the broken part, later LENPURE send the repaired part or new part to customer. If unnecessary, LENPURE will make delivery for the new part to customer directly.

Remark:

During warranty, LENPURE is responsible for delivery fees both ways and parts fees.

After warranty, Customer is responsible for the delivery fees both ways, LENPURE will provide the part to customer by cost price.

LENPURE provide whole life's technical support to customers all over the world!

Advantages

1. Quality Guaranteed product material:

Most of our part adopt is famous brand, like Fuji/Omron/Schneider/Unique/Tecumseh/Bizer to guarantee the quality.

2. Powerful Technical Team:

1) We cooperated with the Shanghai Jiaotong University, our company is their low

temperature test research. They provide us the technology, and we recruit their Doctor as our technical guide.

2) We also have many top engineers, most of who have the experience over 20 years in this industry, every year, we have many nonstandard R&D chambers production.

3. Fine Production Art:

1) From the moulding of housing to the installation of every spare part, our factory can control every detail step test.

2) Every goods we keep testing in our work shop for 15 days before shipping to ensure that there is no question when our customers receive.

4. Timely and Effective After Sale Service Team:

- 1) We are clear about the installation site of every part and familiar with every possible breakdown during operating.
- 2) Every equipment producing from our factory, we can guarantee that our customers would get the exchanging parts within 15 years, and our client will get whole-life technical support from our factory.

3) When we receive the after sale service request, we will provide solution within 24 hours.

5. Whole life technical support:

We have one year warranty for the machine. Meanwhile, we provide whole life technical support to customer. If your machine have problem, please don't hesitate to let me know.

6. China's largest Scale's Environmental Test Chamber Manufacturer

At present, our new factory site has 215278 sq. ft. It is the area that we

purchased from government. We established 5 production buildings. At the present, the same environmental test chamber company in China, we are the top scale.

About US



Shanghai Linpin Instrument Stock Co., Ltd, established in the year of 1998, is dedicated to the design, manufacture and service of environment test cabinets, chambers and rooms. Our product line includes temperature, humidity, shock, ozone, sulfur dioxide, dust, salt spray (corrosion), solar (UV), rain, dry, stability and vibration test equipment. Our products can be provided in either standard modules or fully customized modules.

The history of our company is not very long but truly glorious. With an annual business expansion rate of over 50 percent in average, our company is indeed a very robust entity in environment test equipment industry. Our company started as a test equipment industry pioneer and we always perform as a pioneer to support our customers with the most suitable and valuable products and services.



Related products:

According to different test condition and requirement, our product could divide into different catalogue.:

- 1) Temperature Humidity Test Chamber
- 2) Salt Spray Test Chamber
- 3) Rain Test Chamber
- 4) Dust Test Chamber
- 5) Altitude Test Chamber
- 6) Thermal Shock Test Chamber etc.

Our Top 500 Customer



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