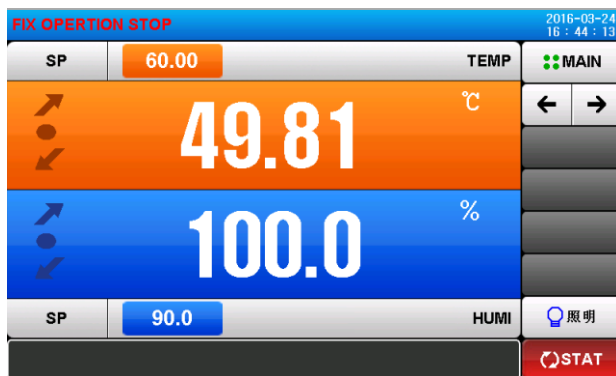


# HD-E702-100 Temperature & humidity test chamber

## EQUIPMENT DETAILS



Temp. Humid. Programmable Controller

**GENEAL SPECIFICATIONS**

Packaging Dimensions: (WxDxH) 1220\*1020\*1560mm

Power supply source: single-phase, 220V±10%, 50/60Hz (can be appointed)

Gross Weight: 270kg

HS Code: 8479899990

**Standard Features**

Item	Specification
Internal dimension	(W*D*H) 400*400*500mm
External dimension	(W*D*H) 600*1080*1380mm
Temperature range	-40~+150℃, 20~98%R.H.
Temperature Accuracy	±1℃
Humidity range	20~98%R.H. (Refer Image below)
Humidity accuracy	±3%R.H
Cooling speed	1℃/min in average (without loading)
Heating speed	3℃/min in average (without loading)
Internal chamber material	SUS#304 stainless steel, mirror finished
External chamber material	Stainless steel with paint spray
Cooling method	Air cooling
Controller	LCD touch screen, programmable control temperature and humidity Can set different parameter for cyclic test
Insulation material	50mm high density rigid Polyurethane foam
Heater	Explosion-proof type SUS#304 stainless steel fins radiator pipe heater
Compressor	France Tecumseh compressor
Lighting	Heat resistance
Temperature sensor	PT-100 dry and wet bulb sensor
Observation window	Tempered glass
Testing hole	Diameter 50mm, for cable routing
Sample tray	SUS#304 stainless steel, 2pcs
Safety protection device	Protection for leakage Over-temperature Compressor overvoltage and overload Heater short circuit Water shortage

## APPLICATIONS

1. To simulate test environment with different temperature and humidity
2. Cyclic test includes climatic conditions: holding test, cooling-off test, heating-up test, moistening test and drying test...
3. Cable port with flexible silicone plug for cable routing to provide the condition of test unit under operation
4. Uncover test unit weakness in a short-term test with accelerated time effect

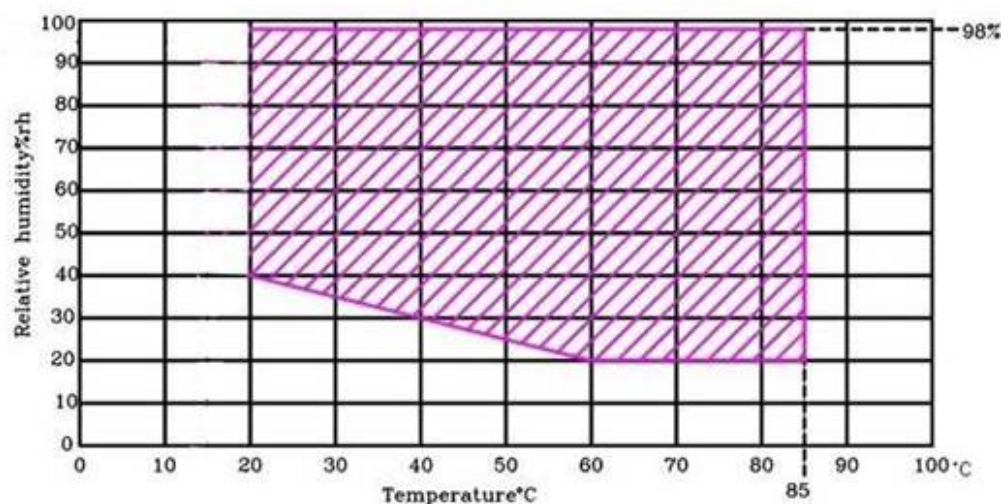
## CHAMBER DESIGN FEATURES

1. High performance and quiet operation (68 dBA)
2. Space-saving designed for flush installation to wall
3. Full thermal break around doorframe
4. One 50mm diameter cable port on left, with flexible silicone plug
5. Accurate wet/dry-bulb humidity measurement system for easy maintain

## PROGRAMMABLE CONTROLLER

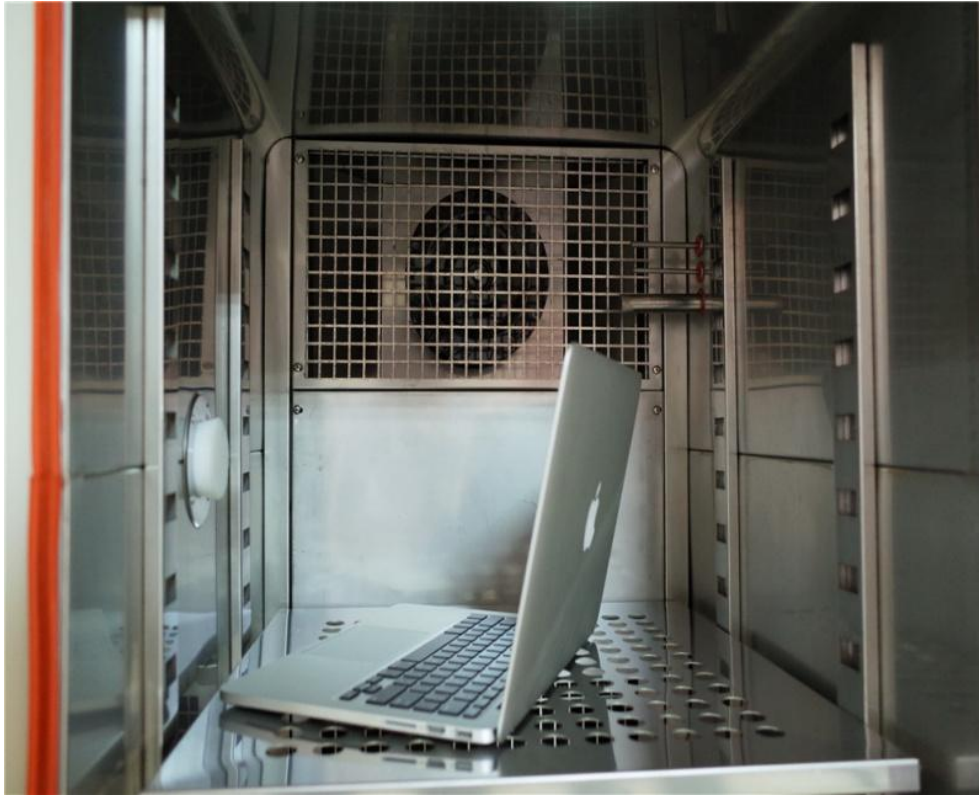
1. PIC controller for test chamber
2. Step types include: ramp, soak, jump, auto-start, and end
3. RS-232 interface to connect computer for output

## HUMIDITY RANGE



20 to 98%RH per chat (no live load)

## INTERNAL CHAMBER



**Production line and stock image:**



**Cutting machine**



**Bending machine**



**Chamber shell**



**Chamber shell**



**Stock chamber**



**Chamber in stock**