

Humidity/Conditioning Chamber



Model no. ELC-800

Humidity/Conditioning Chamber is a unique test cabinet designed to create temperature and relative humidity inside the chamber to detect the change in the physical characteristics of material and to ascertain the actual working life of testing device. EFFECTIVE humidity chamber is complies for standards ASTM D1776, ASTM D1776M-15, BS950 Part-1(D65).

- Temperature sensing through PT-100 sensor
- Alarm system with buzz sound at test end process
- Highly accurate test results under uniform temperatures and humidity levels in the chamber
- Digital Control for Humidity and Temperature
- High Grade imported pu insulation
- Maximum Thermal Efficiency by insulation means.
- SSR based heaters
- Digital Preset timer with LED Display
- In built Auto tuning function
- Water Level Indicator
- Equipped with rapid air circulation German imported fan for uniform and homogenous heating , cooling, humidity, de-humidity inside the chamber
- Inbuilt Calibration feature with reference to master PID controller
- Setting to RTD PT-100 sensor through advanced PID controller
- Auto stop feature to stop machine at set time
- Time totalizer to calculate the no. of Hours run by the instrument

Our Other Special Products:



Equipped with CFC free refrigerants and air cooled compressors, the instrument performs conditioning procedures required in various industries. The Humidity Chamber comes with aerodynamically shaped fans for maintaining heating, cooling, humidification and dehumidification efficiency and provides environmental simulations.

Technical Specifications Info "Humidity Chamber"	
Temperature Range	10°C to 60°C
Temperature Accuracy	+/-1°C
Humidity Range	40% to 95% RH
Humidity Accuracy	+/- 3% RH
Display	LED (Digital)
Accuracy	Temp. ± 2°C / Humidity ± 5%
Least Count/Resolution Temp /	Humidity 0.1°C / 1%
Power	15A, 220V, Single phase, 50 Hz
Timer	999Hr (Changeable to Min. as per request)
Water Level Low	Alarm output

Highlights:

No. of Sample racks	2
Handle	Yes
Wet Heater	1 Kw, 1 no.
Dry Heater	500 Watt, 1 no.
Temperature Sensor	1 (PT-100)
Humidity Sensor	1 (RH)
Movement	Castor Wheels
Material	Mild Steel(Outer Body), Stainless Steel(Inner Body)
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	Inner : 455 x 455 x 710 mm Outer : 660 x 930 x 1515 mm
Direct RH Controller	
RH Sensor Range 40 to 95%	For Direct RH Controller.

Capacity (Litres)	Inner Chamber Size (W x D x H) mm.
91	450 x 450 x 450
175	500 x 500 x 700
288	550 x 550 x 900
342	600 x 600 x 900
441	700 x 700 x 900

Optional :

- Printing Facility.
- Outer Body with Stainless Steel finish is also available.
- A Humidity Chamber touchscreen with an HMI model is also available on request.
- Digital cum Computerised Models in Various capacities are also Available.
- Suitable voltage stabilizer