

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 ffinsulation
- 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

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.

Key Specifications:

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| Capacity | 150 litres |
| Display | LED (Digital) |
| Accuracy | Temp. $\pm 2^{\circ}\text{C}$ / Humidity $\pm 5\%$ |
| Least Count/Resolution Temp / Humidity | 0.1 $^{\circ}\text{C}$ / 1% |
| Power | 15A,220V, Single phase, 50 Hz |
| Temperature Range | 15 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ |
| Humidity Range | upto to 95%RH |
| Timer | 999Hr (Changeable to Min. as per request) |
| Water Level Low | Alarm output |






Highlights:

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| 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 |

Optional :

- Printing Facility.
- Outer Body with Stainless Steel finish also available.
- Humidity Chamber Touch Screen with HMI model also available on request.
- Digital cum Computerised Models in Various capacities also Available.

OUR OTHER PRODUCTS :-

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|  |  |  |  |  |  |
| Hot Air Oven | Humidity Chamber | Cupping Machine | Paint Impact Resistance Tester | Scratch Hardness Tester Motorised | Scratch Hardness Tester Hand Operated |