CONSTANT TEMPERATURE HUMIDITY TEST CHAMBER

MODEL NO. - ACM-15334-1CH
WEIBER constant temperature humidity test creates physiologically ideal surroundings for the perfect environment stimulation in building physics and has wide range of applications in material research, electronics, physics, zoology and botany. Our equipment has high-precision temperature and humidity control, as well as the heating from all six sides that ensure reliability and an interior free of condensation.

Constant temperature and humidity test chamber (also known as climatic or climate test chambers) simulate the effects that a range of temperature and humidity conditions have on a product or material, for example telecommunications equipment or photovoltaic solar panels that are exposed to outdoor temperature and humidity conditions. They have applications in industries as disparate as food science, semiconductors, and military quality assurance.

A precise and accurate temperature and humidity test chamber is essential for evaluating potential success or failure of a product in the field. A climate test chamber can also be used when constant climatic conditions (temperature and/or humidity) are needed for product testing.
Our range of humidity test chambers are supplied fitted with a microprocessor controlled fully programmable PID control system, which can be used either as single set point controller for constant set point conditions or long term stability tests or can be used as a fully programmable controller for cyclic type testing.

CONSTRUCTION DETAILS

The inner body of the chamber is made of SUS304 stainless steel plate while the outer housing is made of A3 steel plate sprayed with plastic. Moreover the chamber door adopts refined silicone rubber seal.

Accurate temperature and humidity test chamber has a separate humidifier circuit from electric circuit improves safety and protects the circuit against the leakage of water supply line. It has a LCD touch screen, easy operation and program. It’s Able to display the relative date and information of the whole operating system in running mode, graphic display. Precautions, maintenance and troubleshooting appear on the screen instantly. The fan motor provides greater cyclic airflow to avoid dead corner in the chamber so as to obtain a uniform distribution of temperature and humidity. The system of heating up, heating down, dehumidifying, and humidifying can be operated independently so as to reduce the cost of testing, extend the operating life of the machine and decrease the failure rate. Water Supply adopts automatic watering System, Circulating water supply together with water filter.

SALIENT FEATURES

• An active humidity control system is integrated as standard in all models

• LCD colour touch screen
• CE certification
• high quality and lowest price Power leakage protection
• Available at economical prices
• Versatile and energy efficient design
• Easy installations

APPLICATIONS

• Defence Industry
• Aerospace Industry
• Electric Industry
• Chemical Industry
• Pharmacy

TECHNICAL MATRIX

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range</td>
<td>0°C–100°C</td>
</tr>
<tr>
<td>Humidity Range</td>
<td>30% ~ 98% R.H</td>
</tr>
<tr>
<td>Temperature uniformity</td>
<td>≤2°C</td>
</tr>
<tr>
<td>Humidification mode</td>
<td>External isolated, stainless steel electric steam humidification mode occurs</td>
</tr>
<tr>
<td>Power supply</td>
<td>ACø220V·50HZ/380V·50HZ</td>
</tr>
<tr>
<td>Dehumidification mode</td>
<td>Condensation method using the dew point temperature of the evaporator coil dehumidification mode</td>
</tr>
</tbody>
</table>

WORKING SIZE

455 x 710 x 455 mm
605 x 605 x 605 mm
605 x 910 x 605 mm

Note: We undertake to manufacture customized chamber sizes as per the specific requirements.
CORPORATE OFFICE/ SHOWROOM (INDIA)
Plot No. 352-353, Sector – 57
Phase- IV Kundli, Sonepat, Haryana - 131028
Land Line No.: +91 - 11- 47619688,
Fax: +91-11-47619788
E-mail.: info@acmasindia.com

SALES OFFICE (HONG KONG)
Unit D 28 11/F Wing Tat Comm,Bidg 97, Bonham Strand East,
Sheung Wan, Hong Kong (PRC)
Tel.: 0086-13929598046 | 0086- 18922303099
E-mail.: hk@acmasindia.com

SALES OFFICE (RUSSIA)
Inmed Trade Street Ozerkovsky Embankment,
Unit No 50, Straine- 1, Off- 502, Moscow, Russia
E-mail.: info@acmasindia.com
Tel.: 0049- 79592345 | Email: russia@acmasindia.com