



Formaldehyde Emission Test Chamber

Test Chamber can simulate real environment parameters, such as temperature, relative humidity, air change rate, air flow, etc. Through analysing the test data, it can measure emission rate of volatile organic compounds (VOC) and its release characteristics impact on the environment. It is used to:

- Determine the effects of environmental variables on emission rate and release characteristics of VOC.
- The grades of materials are determined according to the VOC emission characteristics of the sample materials.
- R & D of sample materials and verification of indoor air pollution characteristics from VOC emission.
- Emission rate of VOC in sample experiences time decay in natural environment.
- Assessment of indoor air quality is predicted based on test data analysis.



Technical Specification / Ordering Info

Type	XD-1JQ-A3
Volume of Operating Chamber	Interior Dimension (1±0.02) m3; W965mm×H1005mm×D1060mm
Overall Dimension	W1100mm×H1860mm×D1660mm
Temperature Humidity	Temperature Range: +15℃~+60℃ Humidity Range: 30%~80% RH (20-30℃)
Instrument Resolution	Temperature: 0.1℃ Humidity: 0.1%RH
Temperature Fluctuations	≤±0.5℃
Temperature Uniformity	≤1.5℃
Humidity Fluctuation	≤±3%RH
Air change rate	1~3Time/hour (adjustable)
Flowmeter Accuracy	Digital flowmeter with accuracy of 0.5; 0~500L/min Glass rotor flowmeter, the accuracy is not less than 2.5; 5-50LPM
Flow display	Ø Analog digital micro gas flow meter, touch screen online flow display (flow range adjustable)
Air Impermeability	Ø When over pressure of 1000pa, leakage is less than 10 ⁻³ x 1m ³ /min. Ø Air flow difference of import and export is less than 1% Ø Air pressure monitoring in the chamber, micro pressure sensor of analog quantity, pressure display on the touch screen
Conditioning Period	The temperature stabilization time is less than 40min; the humidity stabilization time is less than 70min, and the equipment can run continuously for not less than 30 days;
Formaldehyde concentration (empty chamber)	single formaldehyde :≤0.006mg/m ³
Noise	≤55 dB (A sound level)

Complies to ASTM D 5116-97, ASTM D 6007-02, ASTM D 6330-98, ASTM D 6670-01, ASTM D6803-02, EN 717-1 2004, ENV 13419-1, ISO 12460-1.2007, ISO 16000-9-2006ANSI/BIFMAX7.1-2007



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