

Automatic Hollow Glass Dew Point Tester

The automatic hollow glass dew point instrument detects condensation on the inner surface of hollow glass samples under standard test conditions. It is mainly used to evaluate the insulation performance of the glass.



Overview

Precision Dew Point Testing

This automatic hollow glass dew point instrument is a specialized testing device designed to evaluate the insulation performance of hollow glass. By simulating standard test conditions, it accurately detects condensation on the inner surface of glass samples. The system utilizes advanced semiconductor cooling technology and precise PID temperature regulation to ensure reliable and repeatable testing results for quality control applications.

Technical Specifications

Probe Operating Temperature	-60 °C
Measuring Probe Diameter	50 mm
Temperature Resolution	0.1 °C
Thermometer Range	-65 to +50 °C

Dimensions & Power

Max Specimen Size	510mm × 360mm
Control Box Dimensions	470mm × 550mm × 700mm
Power Consumption	1 kW
Operating Voltage	AC220V 50Hz

Testing Environment

Standard Test Temperature	23 ± 2 °C
Relative Humidity Range	30% to 75% RH

Key Features

Core Functionality

- Semiconductor three-stage refrigeration technology
- Automated PID temperature control
- PT100 high-precision temperature probe
- Detachable probe and refrigeration unit for flexible positioning
- Integrated cooling and circulation system

Compliance

Standards Met

GB/T11944-2012, CE, ISO 9001