

UV Light Accelerated Weathering Tester

The UV light accelerated weathering tester simulates the damaging effects of sunlight, rain, and dew on materials and coatings. This instrument accelerates the weathering process by exposing materials to alternating cycles of UV light and moisture at controlled temperatures.



Product Overview

Industry-Standard Accelerated Weathering Testing

This accelerated weathering chamber simulates the destructive effects of sunlight, rain, and dew on materials, allowing for the prediction of service life in days or weeks rather than years. By utilizing precise cycles of UV radiation, moisture, and temperature control, the unit evaluates critical material failures such as bleaching, embrittlement, cracking, and loss of strength. It serves as a vital tool for industries ranging from plastics and coatings to automotive and medical components, ensuring durability and performance quality.

Technical Performance

Performance Parameters

70 °C Max Temperature	90 %RH Max Humidity	5 KW Power Consumption	8 L/day Daily Water Usage
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Temperature Fluctuation	3 °C
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Configuration

Specimen Capacity

Sample Size	Quantity
75mm x 300mm	24
75mm x 150mm	48

Lamp Configuration	8 imported American UV lamps
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Regulatory Compliance

System Certifications

CE • ISO 9001:2000 • SGS

Applicable Standards	ISO 48-3-2006, ASTM D4329-2005, ASTM D4587-2005, ASTM D5208-2001, ISO 4892-3, ISO 11507, SAE J2020
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