

Accelerated Weathering Tester

Accelerated weathering tester, JTH-Q, is designed to simulate the weather mix with UV light, temperature and moisture conditions. The tests are intended to reproduce the damage caused by sunlight, rain and condensed surface moisture or dew. Types of damage include color change, gloss loss, chalking, cracking, hazing, embrittlement, and strength loss.

The moisture includes both condensing humidity, to simulate dew, and water sprays. The light in the chamber is created by specially-designed fluorescent UV bulbs to simulate the effects of sunlight.

Features

- LCD Touch Screen Controller, programmable of UV time, condensing moisture, temperature, rain (spray)
- 40W fluorescent UV lamps
- With condensation system
- With heater
- With sprayer
- Test specimens are mounted in convenient snap-right holders



Technical Specification

- Temperature: RT to 70
- Humidity: 50-98%RH
- UV Lamp: UVA-340 and UVB-313
- Spray Nozzle: 0.4mm



Sunlight Simulation

- UVA-340 Lamps simulate sunlight in short wavelength from 295 to 365nm
- UVB-313 Lamps for quick acceleration
- Light Intensity is controllable

Moisture Simulation

- hot condensation system

Rain Simulation

- Water spray system with nozzle simulate the damage causes by rain

Temperature Control

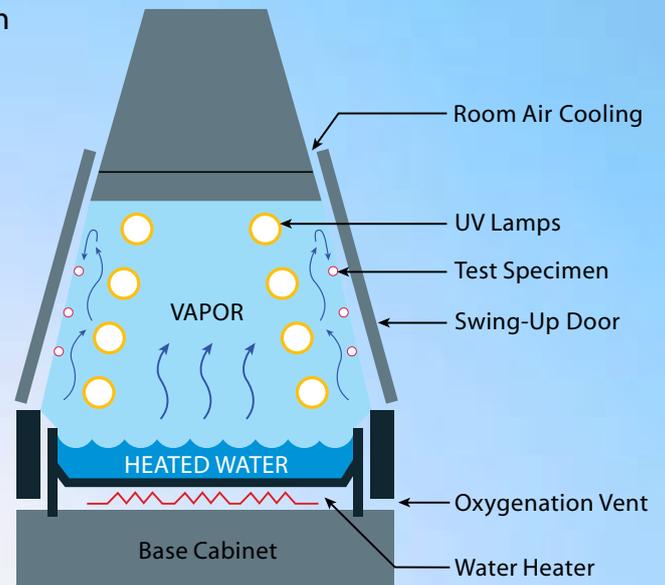
- With heater to increase the temperature to accelerate the destruction effect caused by light and moisture

Standard

- Meet ISO-4892, ASTM-G53, D4587, 4779, BS-27282, SAE-J2020

Optional Features

- Solar Intensity Control



Model	JTH-Q
Controller	LCD touch screen control, programmable of temperature, humidity, UV (sun), spray (rain) and time. Maximum 999 cycle
Temperature Range	RT to 70C
Humidity Range	50-95%RH
UVA-340 Lamp	295-365nm
UVB-313 Lamp	313nm
Standard Sample Holder	75x150x1.5mm
Distance from sample to lamp	50mm
Center distance between the lamp	35 or 70mm
Chamber External Size	1520x800x1620mm(HxWxD)
Power Supply	220Vac 50/60Hz