

Ultraviolet Aging Tester HTE-003



Detailed Description

The most widely practical weather resistance test machine, Simulated the sunlight , rain, dew damage on to the materials. These damages include: bleaching, discoloration, loss of light, powder, crack, turbidity, bubble-based, embrittlement, strength decline and oxidation

Features

UV3 type UV accelerated aging test box adopts UVA - 340 fluorescent UV lamp as light source, can simulate harm caused by sunshine, rain and dew, UV weathering box using fluorescent UV lamp of simulated sunlight irradiation effect, use of condensing dew moisture simulation. For test material placed under a certain temperature in the circulation process of alternating light and moisture test, accelerated weathering test was carried out on the material, in order to obtain material weatherability. UV box with a few days or weeks' time can simulate outdoor damage for months or years. These damages include: bleaching, discoloration, loss of light, powder, crack, turbidity, bubble-based, embrittlement, strength decline and oxidation. The machine contain spray device.

UV3 type UV accelerated aging test chamber can be simulated ultraviolet in the natural climate, rain, high temperature, high humidity and condensation, dark, environmental conditions, such as by reproduce these conditions, merged into a loop, and have it automatically complete cycles. This is the work of ultraviolet aging test chamber

Specifications:

Testing room size: 450*1170*500 mm (D*W*H)

Outside dimension: 1370mm*1350mm*530mm (L*W*H)

Centre distance between the lamps: 70mm

Wavelength range: UV-A 315~400nm

Irradiance: 1.1W/m²/340nm (adjustable)

Temperature resolution: 0.1°C

Temperature range of light: 50°C~70°C/tol.±3°C

Condensation temperature range: 40°C~60°C/tol. ±3°C

Black panel thermometer measurement range: 30~80°C/tol. ±1°C

Temperature control method: PID Automatic constant temperature control way

Humidity range: 45%~70%R.H

Sink requirements: The depth of the water is not more than 25mm, and has the automatic controller of water supply

Standard specimen size: 75*150mm or 75*300mm (if special size noted in contract)

Suggestion Environmental: 5~35°C, 40%~85%R·H, The distance to the wall 300mm

Standard: ASTM D4329, D499, D4587, D5208, G154, G53; ISO 4892-3, ISO 11507; EN534; EN 1062-4, BS 2782; JIS D0205; SAE J2020, GB/T14522-93