

UV Weathering Tester

This UV weathering tester simulates the damaging effects of sunlight, rain, and humidity. It accelerates the aging process to predict the long-term performance of materials.



ADDITIONAL IMAGES



Overview

Professional UV Aging Test Chamber

This advanced UV weathering tester is designed to simulate the damaging effects of long-term outdoor exposure to sunlight, heat, humidity, and rainfall. It utilizes controlled fluorescent UV lamp environments to accelerate the material aging process, providing essential data on durability, color stability, and degradation resistance. Ideal for geo-synthetics, plastics, coatings, and rubber, the system features a touch-screen controller for automated cycle management and real-time monitoring.

Technical Performance

Key Performance Metrics

0.55 W/m²

Irradiation Intensity

3 °C

Temperature Uniformity

1800 H

Maximum Lamp Life

Operating Temperatures

- Light Temperature: RT + 10°C to 70°C
- Condensation Temperature: 50°C

UV Wavelength Ranges

UVA: 315-400nm, UVB: 280-315nm

Compliance & Standards

Certified Testing Standards

- JTG E50 T1164
- GB/T 14522-93
- GB-T16422.3-1997
- ISO 4892-3:1994

Construction & Dimensions

Chamber Dimensions

Component	Dimensions (mm)
Inner Box	D450 x W1165 x H500
Outline	D500 x W1300 x H1400

Material Composition

SUS304 Stainless Steel • Corrosion-resistant metal