

# 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/m<sup>2</sup>**

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