

Yellowing Resistance Tester for Material Aging

This tester evaluates resistance to yellowing caused by environmental exposure. It uses controlled temperature, humidity, and simulated sunlight for accelerated aging tests and quantifiable colorimetric measurements.



Product Overview

Material Aging & Yellowing Resistance Testing

This aging resistance to yellowing tester is designed to evaluate the resistance of materials to yellowing caused by prolonged exposure to environmental factors such as light, heat, and humidity. It features a controlled environment chamber with adjustable temperature and humidity settings, ensuring precise and repeatable testing conditions. The instrument is widely used in industries such as textiles, plastics, coatings, and automotive to assess the long-term durability and color stability of products.

Technical Specifications

Standard Test Temperature	70 °C
Standard Test Duration	24 hours
Atmospheric Equivalence	6 months

Applications

Applicable Materials

- Plastic products
- Electrical insulation materials
- Electronic products
- Electrical components

Suitable Industries	Textiles, Plastics, Coatings, Automotive, Electronics
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Key Features

Core Testing Capabilities

Controlled Environment Chamber • Adjustable Temperature • Adjustable Humidity • Simulated Sunlight • Rotating Carousel • Colorimetric Measurement

Performance Highlights

70 °C Standard Test Temp	24 h Test Duration
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