

QUV Accelerated Weathering Tester



The QUV accelerated weathering tester reproduces the damage caused by sunlight, rain and dew. In a few days or weeks, the QUV UV tester can reproduce the damage that occurs over months or years outdoors.

To simulate outdoor weathering, the QUV accelerated tester exposes materials to alternating cycles of UV light and moisture at controlled, elevated temperatures. It simulates the effects of sunlight using special fluorescent UV lamps. It simulates dew and rain with condensing humidity and/or water spray.

The QUV accelerated weathering tester is the simplest, most reliable, and easiest to use weathering tester available. With thousands of testers in use worldwide, it is the world's most widely used weathering tester.

Model QUV/se

The most popular QUV model features the SOLAR EYE Irradiance Control, for precise maintenance of UV light intensity. The QUV/se tester uses a proven condensation mechanism to simulate outdoor moisture attack.

The SOLAR EYE system is a precision control system that automatically maintains light intensity through a feedback loop. The controller monitors UV intensity and compensates for lamp aging and variability by adjusting power to the lamps. The SOLAR EYE system provides:

- Controlled irradiance
- Longer lamp life
- Faster results
- More reproducible and repeatable testing
- ISO calibration

