

ATI

ADVANCED TESTING INSTRUMENTS



COLOR FASTNESS
TESTING INSTRUMENTS
**TF420 LIGHT
FASTNESS TESTER**

TF420 LIGHT FASTNESS TESTER

Light & Weather Fastness Tester, is to determine color fastness to light, weather and light aging of various colored textiles and other materials by simulating both light and dark cycles and nature weather conditions by specimen holders and rack sprays and long-arc-xenon lamp equipped.

FEATURE

- Light intensity set digitally, real-time monitoring, closed-loop controlled and automatically adjust to meet the different standards (standard 420nm; 340nm, 300~400nm, 300~800nm is offered on request).
- 10.4-inch large color touch panel, a variety of test monitoring modes (animation, digital, graphic) operate easily and clearly.
- All key components such as temp, and humidity sensors, ultrasonic humidifier are imported from USA, Japan, Germany, etc.
- Blackboard Thermometer (BPT), the Standard Blackboard Thermometer (BST), Irradiance detector and samples placed in the same position, a true reflection of the sample under test conditions, the data displayed as figures, charts, curves on the large color screen, no need to stop for observation.
- Detection and wireless transmission using light energy conversion technologies for energy, not the other home power supply.
- Sample holders can be timed independently to achieve different tests simultaneity in the same machine.
- Rated 2500 W long arc xenon lamp simulate daylight spectrum.
- Industrial temperature control (cooling) system offers quickly and smoothly control.
- Set of Sample Holders, set of Blue Wool Fabric (L1~L8), Gray Scale (Changing), Arc xenon Lamp and others.

SPECIFICATIONS

- Working modes: to simulate and reinforce the impact of the nature of the measured object, providing light and dark, temperature and humidity, raining and other quantitative indicators.
- Light source: 2500 W air-cooled long-arc xenon lamp
- Temperature range: 25 ~ 50°C, Resolution 0.1°C
- Humidity range: Bright cycle 10 ~ 70% RH, Dark cycle 30 ~ 95%, R. H., resolution 0.1%
- Test time control: ≤ 1000 h
- Irradiance: 0.80 ~ 2.01 W/m² @ 420nm (340nm, 300~400nm, 300~800nm is offered on request), Digital set, automatic closed-loop compensation
- Irradiance accuracy: ±0.02 W/m² @ 420nm
- Sample holder: ISO / GB: 135 x 45 mm, 16pcs, AATCC: 130 x 75 mm, 8pcs, samples can be held on both sides
- Rotation speed of sample holder: 5 rpm

SPECIFICATIONS (CONT.)

- BPT Range: (40 ~ 80) +/- 2°C
- BST Range: (40 ~ 85) +/- 1°C

STANDARDS

ISO105-B02, GB/T8427, ISO105-B04,
GB/T8430, GB/T14576, GB/T15102-2006

POWER: 220 V 50 Hz 6 kW

WEIGHT: 350 kg

DIMENSIONS: 1000 x 550 x 1570 mm (L x W x H)

