

TruFade

Xenon arc light fastness tester

TruFade has transformed laboratory light fastness testing.

TruFade is what you've been waiting for: an instrument which genuinely simplifies light fastness testing and delivers accurate and consistent results.

Each function of TruFade has been designed and refined many times to provide you with a remarkable user experience.

Replacing the xenon lamp, changing the infra-red filters, loading the sample holders, placing your specimens in the sample holders or refilling the water tank; all these tasks will add to your delight.

Whether you are a new or experienced user, you'll quickly master the superbly intuitive software and the few simple steps to test your samples.

SolarSens Radiometer

You can use TruFade in either 'controlled irradiance' or 'blue wool' mode.

In irradiance mode, SolarSens is positioned on the turntable. SolarSens measures the light output from the xenon lamp, keeping it constant by continuously adjusting the power to the lamp.

The movement of SolarSens is in the exact plane of the sample holders, so unparalleled accuracy of measurement is achieved.

SolarSens measures also the black standard temperature and ensures that the target value is continuously maintained.



Sample Holders

Our tri-sided sample holders are an exceptional feature of TruFade.

Not only is loading and unloading your specimens really easy, but you have up to 1640cm² of useable exposure space at your disposal.



Key Benefits of TruFade

- High performance, long lasting, air-cooled xenon lamp
- Works in 'controlled irradiance' or 'blue wool' mode
- Solar-powered radiometer, incorporating a black standard thermometer
- Nine tri-sided sample holders offer a massive exposure area of up to 1640cm²
- Refined software which perfectly reflects the needs of the operator
- High efficiency power supply ensures running costs remain low
- Complies with international standards for textiles, leather and other materials
- Compact, stylish and ergonomic design

Technical Specifications	
Lamp	2200W air-cooled xenon
Total Exposure Area	1640cm ²
Test Positions	27 maximum
Exposure Area of each Test Position	60.75cm ² (135 x 45mm)
Irradiance Monitoring System	SolarSens (Radiometer)
Irradiance (300-400nm) Range	40 - 50W/m ²
Test Chamber Humidity Range	Ambient - 95%RH
Test Chamber Temperature Range	Ambient - 60°C
Black Standard Temperature Range	Ambient - 70°C
Water Reservoir Capacity	32 litres
Water Consumption (ISO 105-B02 Normal)	0.9 l/h (max.)
Colour Touch Screen	Supplied as standard
Chamber Viewing Window	Supplied as standard

Installation Requirements	
Dimensions (approx.)	754 (width) x 795 (depth) x 1610 (height) mm
Weight (approx.)	340kg
Electrical Supply	Single phase 230V ±15% (3.5kW) 50/60Hz
Water	Pure (ISO 3696 Grade 3)
Recommended Ambient Temperature Range	16 - 24°C
Recommended Ambient Humidity Range	30 - 65%RH (non-condensing)

Standards
AATCC 16 - Option 3
ISO 105-B02
IUF 402
SLF 402

Air-Cooled Xenon Lamp

TruFade features our latest 2200W, long-lasting, xenon lamp. In combination with current filter technology, we get as close as possible to the spectrum of natural sunlight.



Software

Every manufacturer claims that their software is user friendly and intuitive. Rarely are such claims borne out in practice. In contrast, the hallmark of TruFade is total end-to-end integration of software and hardware. You'll be impressed by the colour touch screen and the clear and easy-to-understand icons, which lead you smoothly through the software. Our software has many unique features, including our clever sample monitoring system, which enables you to track the exposure of every single specimen and to monitor the life of the lamp and filters.