

## Xenon Test Chambers



Slide out specimen trays allow fast sample mounting and inspection.

- Low purchase price
- Low operating cost
- Low lamp replacement cost

Light causes textile product damage totaling millions of dollars every year. This damage includes fading, yellowing, color change and strength loss. Products exposed to direct sunlight, sunlight through window glass or harsh indoor lighting are most at risk.

The Q-Sun Xenon Test Chamber uses full-spectrum xenon arc lamps to reproduce the damage encountered in numerous environments. It can be used to both simulate and accelerate these service conditions for R&D or quality control applications.



The Q-Sun is available in two sizes and various models to fit a range of budgets and laboratory requirements.

### Affordable & Easy to Use

If you've been putting off buying a xenon tester because of high prices, it's time to look again. The Q-Sun's low purchase price and low lamp prices are a breakthrough in the price/performance equation.

Q-Sun is easy to install, easy to use, and practically maintenance free. Low cost lamps are quick and easy to replace, while long-life filters maintain the required spectrum. Specimen mounting is flexible, fast, and easy with the Q-Sun's unique slide-out specimen tray, accommodating many sizes of flat specimens, as well as three-dimensional parts.

### Q-Sun Xe-3

- Full-Size Tester
- Breakthrough Price
- RH & Temperature Control

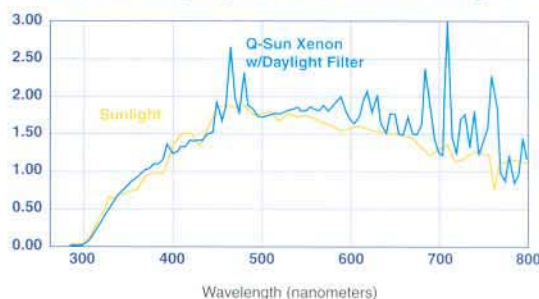
Our full-featured, full-sized, self-standing tester represents a breakthrough in xenon prices. It uses three lamps to allow larger specimen capacity.

### Q-Sun Xe-1

- Bench-Top Size
- Economical
- Easy Installation

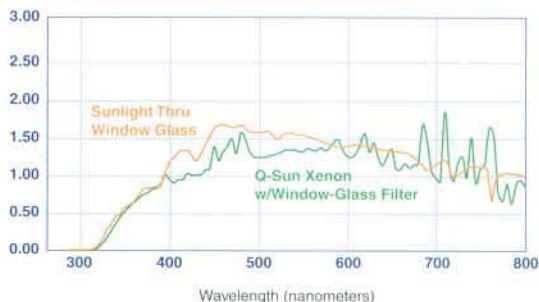
This is an economical, single lamp, bench-top model with full capabilities. Its small scale is perfect for a lab that has a limited budget or only an occasional testing need. Installation is simple and you can vent it right into the room.

### Q-Sun Daylight Filter vs. Sunlight



Xenon is considered to be the most realistic simulation of full spectrum sunlight because it includes UV, visible and infrared wavelengths.

### Q-Sun Window Glass Filter vs. Sunlight Through Window Glass



Q-Sun's long-life filters maintain the required spectrum, such as sunlight-through-window glass, without needing to be replaced.

## Features and Options for the Q-Sun Xenon Test Chamber

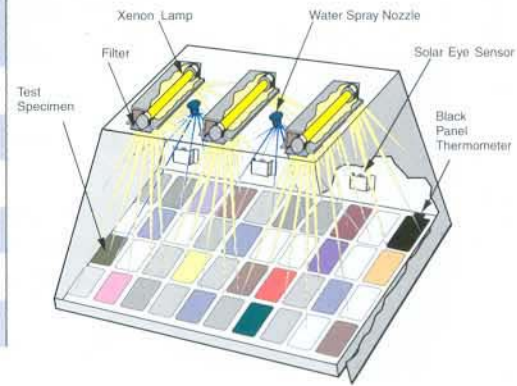
- Full Spectrum Light
- Solar Eye Irradiance Control
- Chamber Air Temperature Control
- Black Panel Temperature Control
- Relative Humidity Control
- Water Spray
- Meets AATCC TM16 & TM169
- ISO Calibration
- Textile Accessories - holders and masks to suit all models

## Q-Sun Xe-3

MODEL	No. LAMPS USED	SOLAR EYE IRRADIANCE CONTROL	WATER SPRAY	BLACK PANEL TEMP. CONTROL	CHAMBER AIR TEMP. CONTROL	RH CONTROL	CHILLER UNIT
Xe-3-B	3	✓		✓ <sup>1</sup>	✓ <sup>1</sup>		
Xe-3-S	3	✓	✓	✓ <sup>1</sup>	✓ <sup>1</sup>		
Xe-3-H	3	✓		✓	✓	✓	
Xe-3-HS	3	✓	✓	✓	✓	✓	
Xe-3-HC	3	✓		✓	✓	✓	✓ <sup>2</sup>
Xe-3-HSC	3	✓	✓	✓	✓	✓	✓ <sup>2</sup>

<sup>1</sup> Q-Sun Xe-3-B & Xe-3-S models control either black panel or chamber air temperature - but not both simultaneously.

<sup>2</sup> The chiller with a Q-Sun Xe-3 is a separate unit.  
Approximate dimensions are 940 mm x 762 mm x 762 mm.



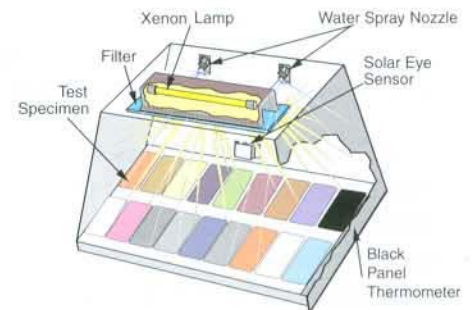
Test area: 444 mm x 711 mm

## Q-Sun Xe-1

MODEL	No. LAMPS USED	SOLAR EYE IRRADIANCE CONTROL	WATER SPRAY	BLACK PANEL TEMP. CONTROL	CHAMBER AIR TEMP. CONTROL	RH CONTROL	CHILLER UNIT
Xe-1-B	1	✓		✓			
Xe-1-S	1	✓	✓	✓			
Xe-1-BC	1	✓		✓ <sup>1</sup>	✓ <sup>1</sup>		✓ <sup>2</sup>
Xe-1-SC	1	✓	✓	✓ <sup>1</sup>	✓ <sup>1</sup>		✓ <sup>2</sup>

<sup>1</sup> Q-Sun Xe-1-B & Xe-1-S models control either black panel or chamber air temperature - but not both simultaneously.

<sup>2</sup> The chiller with a Q-Sun Xe-1 serves as the permanent stand.



Test area: 247 mm x 450 mm

## Don't Guess When You Should Test



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