

# SUNTEST® CPS+

**The small benchtop unit for weathering, color light fastness, and photostability testing**

SUNTEST CPS+ sets the standard for small-size benchtop weathering. Built on 50 years of expertise, it can test all types of products:

- Polymers
- Textiles
- Coatings
- Packaging & Printed Matters
- Dental Materials
- Cosmetics
- Sealants
- Pharmaceuticals



## KEY FEATURES

- 560 cm<sup>2</sup> exposure area
- Switchable irradiance control at 300-400/340 nm, or 300-800 nm/Lux
- BST control
- Specimen wetting by water immersion
- Specimen cooling by water-cooled sample table or chiller
- User interface with 4-line display in multiple languages
- Monitoring and display of chamber air temperature
- Monitoring and display of relative humidity



# Testing Technology

Accurate control of the elements is key for weathering testing

## Spectrum Quality

Atlas optical Daylight and Window Glass filters provide relative spectral irradiance according to ISO 4892-2. A unique filter is Atlas Store Light® designed to simulate predominantly white light, closely resembling the lighting typically found inside retail stores.

## Irradiance

The Atlas SUNSENSIV irradiance control system constantly monitors the lamp output. Its patented technology allows monitoring of two different wavelengths: 300-400 nm / 340 nm or alternatively 300-800 nm / Lux.

## Temperature

The most relevant temperature in weathering testing is the specimen surface temperature, because it drives degradation rates. A black standard temperature sensor is used to control it. Since it is black it represents the upper end of possible surface temperatures.

## Humidity

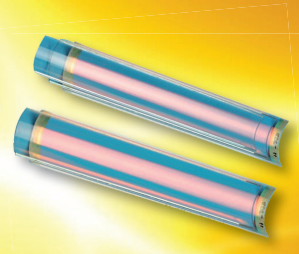
Humidity control adds precision to weathering testing. Therefore, it is required by many weathering test methods, especially automotive. Due to size, CPS+ comes only with a CHT/RH sensor to monitor both.

## Water Immersion

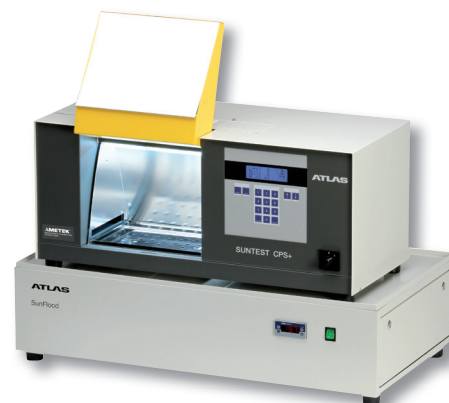
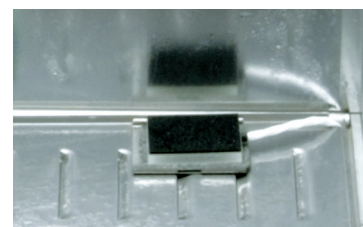
To simulate the damaging effects of water, an optional specimen immersion unit is available.

### Specifications

	SUNTEST CPS+
Dimension (WxDxH)	78x35x35 cm
Instrument weight	35 kg
Air-cooled xenon lamp	1500 W
Specimen tray size (LxW)	28x20 cm
Exposure area	560 cm <sup>2</sup>
Max. load	3 kg
Distance test tray - xenon lamp	23 cm
CE, UL, ISO, EN, CSA, UKCA	yes
Electrical Requirements 208 - 230 V	1P/N/PE, 16 A, 3 wire



1: Xenon lamp, 2: Light monitor



Atlas offers more than testing instruments. From technical advice to final test method implementation, Atlas provides the support that you need when determining the right weathering testing solution for your products. For more information, please contact your local Atlas sales office or visit us at [www.atlas-mts.com](http://www.atlas-mts.com).

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Specifications, features and standards are subject to change without notice.

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