

Large capacity model.

Xenon Weather Meter GX90

The xenon light source is similar to solar spectral irradiance range from ultra violet to visible light.

The xenon weather meter is capable of testing under various test conditions such as outdoor and indoor.



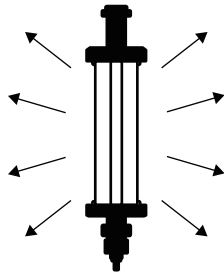
126pcs.

Specimen number

3000hrs.

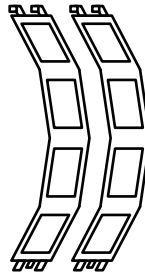
long-life light source

Able to test 126 specimens at one time. (Specimen dimension:150 x 70 x 1mm)



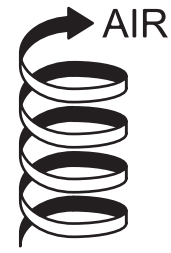
9kW long arc xenon lamp

The newly developed lamp with a long illuminant part irradiates wide range uniformly.



4-stage-specimen holders

Increased specimen number by 21pcs. compared to same size xenon weather meter (model:X75).



SUGA Spiral Air System™

The air system keeps the temperature and humidity conditions uniform throughout the test chamber.

World's No.1 long-life light source, Lamp life: 3000 hours.

In case of test condition 60W/m² (300-400nm), Daylight Filter, BPT63°C, 50%rh.

Automatic calibration of irradiance on the specimen surface.

The calibration radiometer (standard accessory) that is attached to the specimen rack can measure irradiance and radiant exposure, and the calibration result is automatically transmitted to GX90 to avoid human errors such as “input mistakes”.

Traceability by international standard ISO/IEC 17025.

ISO/IEC 17025 compliant calibration certificate can be issued for radiometer, platinum resistance thermometer, pressure gauge for spray.

Performance		
Test	Light	BPT 63 - 89°C (depending on irradiance) / Humidity 50%rh (depending on test condition) Capable of synchronous control of black panel temperature and chamber air temperature (depending on test condition Irradiance, etc)
	Light+ specimen spray (rain)	CAT 38°C
	Dark	CAT 38°C, 95%rh
	Dark+ specimen spray (rain)	CAT 40°C, 95%rh
	Dark +back spray (dew)	CAT 38°C
	Dark + both sides spray	CAT 38°C
	Control accuracy	±2°C, ±5%rh
	Light source, filter Irradiance	Xenon lamp (water-cooled) 9.0kW: 1 unit / Daylight filter, Window glass filter with using daylight filter : 40 - 100W/m ² (300-400nm) received at specimen surface
	Specimen rack diameter	Approx. φ960 mm
	Specimen dimension, number	150 x 70 x 1mm, 126pcs.

BPT : Black Panel Temperature, CAT : Chamber Air Temperature

Construction	
Test chamber dimension	Approx. 108(W) x 106(D) x 78(H)cm, composed of SUS316L
External dimension	Approx. 148(W) x 175(D) x 205(H)cm
Operating weight	Approx. 1300kg (including step-down transformers)

Utility	
Electric capacity	Three-phase 400V approx.65A (50Hz), ELB: 75A

In addition to the power supply, pure water and cooling water for xenon lamps (cooling tower water) are required.

CE applied model is available (Model:GX90CE).