

SX75

7.5-kW Super Xenon Weather Meter

*High irradiance test of 180 W/m²
(Three times of solar ultraviolet)
that meets customers' demand.*



SX75 accelerates the degradation of materials by exposing them to simulated outdoor and indoor environments such as sunlight, temperature, humidity, rain and dews, allowing users to estimate the lifespan of materials in a short period of time. With Suga's original 7.5-kW water-cooled xenon arc lamp as the light source, the instrument simulates sunlight at irradiance of 180 W/m², which is three times higher than that of solar ultraviolet (approx. 60 W/m².) SX75 is the first apparatus in the world that enables high irradiance tests. This model contributes to saving test time and costs, fulfilling the demands of our customers. With excellent correlation with outdoor exposure and acceleration, SX75 is widely used in various industries, such as automobile, paint, plastic, rubber, metal, construction, textile and digital colour printing.

Specification of SX75

Light source	One 7.5-kW water-cooled xenon arc lamp
Test types	Light only, Light & Spray on front face (Rain), Dark only, Dark & Spray on back face (Dew), Dark & Spray on both faces
Irradiance	60 W/m ² to 180 W/m ² at 300 nm to 400 nm (Filter requirement example: quartz inner filter and #295 outer filter)
Temperature and humidity range	Light test: 50 °C to 95 °C ± 1 °C of black panel temperature (BPT; depending on the level of irradiance); 50 %rh to 60 %rh ± 5 %rh (at 63 °C of BPT and 180 W/m ²) Dark test: 38 °C ± 1 °C of chamber temperature; 95 %rh ± 5 %rh
Quantity of specimen	Maximum 54 pieces (Specimen size: 150 mm × 70 mm, 1 mm thick)
Electrical requirements	Three-phase, 200 V, approx. 74 A
External dimension	Approx. Width 105 cm, Depth 135 cm, and Height 204 cm (Weight: approx. 570 kg)
Related standards	ISO, ASTM, SAE, JIS, and JASO (subject to different accessories) Simultaneous BPT and CT control (SAE) available.



Suga Test Instruments Co.,Ltd. [www.sugatest.co.jp / english](http://www.sugatest.co.jp/english)

Head Office 5-4-14 Shinjuku, Shinjuku-ku, Tokyo, Japan 160-0022

TEL +81-3-3354-5241 FAX +81-3-3354-5275 MAIL i_sales@sugatest.co.jp

Branch Nagoya/Osaka/Hiroshima