

# XENON TEST CHAMBER LTCHM27-2



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A Xenon Test Chamber is a type of chamber that uses a xenon arc lamp as a light source. It is used for studies of degradation and accelerated aging testing by emulating environmental conditions. Xenon arc testing determines changes in materials, including the effects of sunlight, moisture, and heat, by simulating ultraviolet and visible radiations utilizing a Xenon Test Chamber. It is used in various industries like automotive, polymer additive, textiles, paint, etc.

## LTCHM27-2 XENON TEST CHAMBER

The xenon arc lamp reoccurs the full solar spectrum vividly which include ultraviolet, visible light and red light.

With high quality lamp and the use life up to 1200~1500 hours

It can accelerate the aging experiment to achieve the effect of rapid aging

Polished stainless-steel chamber makes the exposed area large enough and uniformity, and enhanced the light irradiance and shorten the exposure time of sample

Through the pure water spraying system simulates the wet erosion phenomenon, the spraying could operation dark or light cycle

It could real time monitor and control the light intensity to ensure the repeatability of the test results, The control point of irradiance could choose 340nm, 420nm or 300-400nm

B-SUN uses the blackboard temperature sensor monitor the exposure temperature of sample accurately

Irradiance sensors need to be regularly calibrated by the user. The illuminometer must be compatible with the B-SUN



## SPECIFICATIONS

Model	LTCHM27-2
Working chamber Dimension	320Wx320Dx320H mm
Exterior Dimension	890Wx580Dx590H mm
Control system	Siemens PLC
Program function	4 groups standard program built-in and 2 groups program can be set
Sample area	930cm <sup>2</sup>
Sample surface temperature monitoring	blackboard temperature automatic control by sensor
Irradiance control	340nm,420nm or 300nm-400nm Wavelength automatic control (standard with@340nm High-precision sensors)
Spraying system	Yes
Lamp cooling method	air cooling
Sample shelf type	Flat plate type
Lamp	Standard lamp tube, or Atlas lamp tube(optional)
Electrical requirement	3500 W
Power Consumption	220 V 50 Hz



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