



UV LIGHT ACCELERATED WEATHERING TESTER

LUV-III Ultraviolet Light Accelerated Weathering Tester uses ultraviolet light to reproduce the damaging wavelengths of light encountered in a multitude of environments. Products and materials exposed to direct light-water. Damage includes fading, yellowing, colour change, strength loss, embrittlement, oxidation, gloss loss, cracking.

This unit can be operated as a weathering test with the water spray to simulate the effect of moisture on non-metallic materials, such as coatings exposed outdoors. As the ultraviolet of sunlight is the main factor of photo degradation, and water is also an important damaging factor, this unit features fast and simple to expose and degrade. It has service value for testing different test specimen's relative resistance to atmosphere.

It only pay relative cheaper using cost. The accelerated weathering tester allows accelerated testing because it can be programmed to expose your products to the equivalent of noon summer sunlight for 24 hours a day, every day. Consequently, the test result can be greatly accelerated so as to judge quality gap between test product and contrast panel.



Technical Specification / Ordering Info

Type	LUV-III
Power	2.2 kw
Voltage	220V $\pm$ 22V/50Hz/0.5Hz
Timing Range	1min - 9999h
Spraying Time (double setting)	1min - 99min
Test Temperature	40-60°C
Wave length of lamp	313nm (91.5kcal/gmol)
Irradiation	0.4W/m ²
Power of lamp	0.02kw $\times$ 3
Lamp life	1000h
Distance between lamp and axis of rotating frame	80mm
Nearest distance between lamp and sample	60mm
Rotating frame Diameter	ϕ 249mm
Rotating Frame Power	0.028kw
Rotating speed of sample turret	5r.p.m.
Pump Power	0.08kw
Pump Flow	47 L/min
Heating Pipe Voltage	1.5kw
Sample Specification	75mm $\times$ 150mm $\times$ (0.6) mm
Overall Dimensions(L'W'H)	910mm X 380mm X 580mm
Weight	63kg



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