



## **Water-Cooled Light Weather Fastness Tester GT-3000**



### **Application:**

Water-Cooled Light Weather Fastness Tester is widely use in solar radiation simulation light color fastness, light perspiration color fastness and light aging test of rubber, plastic, coating, petrochemical industry, car, textile industrial products and other materials. It through simulate illumination, exposed to the rain, mist spraying, alternating light and dark, temperature and humidity climates conditions to test material products' color fading, aging, transmittance, peeling, hardness, softness and other performance changes.

### Standards:

Textile	GB/T 8430, GB/T 14576, GB/T 8 105-B02/B04/B06, AATCC 169, M&S C09 , L0843
Paint coating	GB/T1865, ASTM D6695, ISO 11341, NES M
Rubber & Plastics	GB/T 12831, GB/T9344, GB/T 16422.1, AS ISO 4892
Non-metallic Material	AATCC TM16, ASTM G26, ASTM D4459, A GB/T 2423.24,GB/T 15102, GB/T 15104 Car: SAE J2527, SAE J1885, SAE J2212, SAE J2412, ISO3917, PV 1303, PV 3929, PV 3 0067- MA, HES D6601, TSL 0601G, GMW3414, EDS-T 1431

### Dimensions

<b>External Dimension:</b>
1200*900*1800 mm(L*W*H)
<b>Package Dimension:</b>
1220*920*1820 mm(L*W*H)
<b>Gross Weight:</b>
380KG
<b>Net Weight:</b>
360KG



### Feature

Presetting various specifications, or customized programs, meet diverse range of standards, including AATCC, ISO, BS, JIS etc.

4500W water-cooled xenon arc lamp system, accurately simulate sunlight spectrum. Irradiance auto- compensates system, control irradiance, temperature, and humidity timely through a closed loop.

Irradiation control, light irradiance sensor monitor, digital setting, automatic compensating system, stepless irradiation regulation.

Accurate chamber temperature control, irradiation temperature, and heater raise the temperature, air conditioning refrigeration system.

Ultrasonic humidification system makes spray water even and low noise. Saturated steam humidifying, industrial refrigerating machine dehumidifying, and close loop control the humidity.

Large amount of testing specimen, be able to hold as 3 times of specimen quantity as air-cooled machine in a test.

## **Key Specifications**

Model	GT-3000-1	GT-3000-2
Irradiation Source (Water-cooled Long Xenon Arc Lamp)	4500W	
Exposure Area	2660cm <sup>2</sup>	4700cm <sup>2</sup>
Sample Holders Capacity	ISO:135×45mm 33pcs Or AATCC:100×75mm 20pcs	ISO:135×45mm 47pcs Or AATCC:100×75mm 35pcs
Average Lamp Life	1000 hours	
Sample Rack Rotating Speed	1-7rpm ( adjustment)	
Sample Rack Outside Diameter	Φ550mm	
Chamber Temperature Range	20-93℃ ±1 ℃ Resolution: 0.1 ℃	
BPT	35-125 ℃ ±1 ℃	
BST (Option)	35-120 ℃ ±1 ℃	
Chamber Humidity	Light Cycle: 10-70%RH; Resolution :0.1% Dark Cycle: 30-95%RH; Resolution :0.1%	
Irradiance Control Range	0.6~3.08W/m <sup>2</sup> @420nm (Option: 340nm, 420nm, 300-400nm and 300-800nm) Accuracy: ±0.02W/m <sup>2</sup> @420nm.	
	Digital Setting, Closed-loop Automatic Compensation	

Application Industry

