



XENON ARC LAMP AGING TEST CHAMBERS

- Suitable for paint and coating, automobile industry, plastic and rubber, construction material, electronic industry, etc.
- Simulate the full spectrum sun light, ensure the reliability of experimental data
- Optional irradiance calibrator for calibration of irradiance
- Feature water cooling lamp and drum-type structure to ensure uniform and stable irradiation
- Capable of freely programming 10 test programs and storing 6 preset international standard programs
- Support exporting test data with USB flash drive



XAT-A101

SPECIFICATION

Code	XAT-A101	XAT-A102	XAT-A103
Xenon arc lamp	6.5kW water cooling long arc xenon lamp		
Lifetime of lamp	2000 hours for normal use		
Light filter	daylight: Type S Boro+Type S Boro	window glass: Type S Boro+Soda Lime	extended UV: Quartz+Type S Boro
Exposure area	6500cm ² (63~65 pcs standard sample panel 150mm×70mm)		
Irradiance monitoring point	340nm, 420nm, 300nm~400nm		
Irradiance range	0.25W/m ² ~1.26W/m ² (340nm) 0.59W/m ² ~2.76W/m ² (420nm) 29W/m ² ~141W/m ² (300nm~400nm)	0.23W/m ² ~1.10W/m ² (340nm) 0.61W/m ² ~2.76W/m ² (420nm) 28W/m ² ~129W/m ² (300nm~400nm)	0.29W/m ² ~1.50W/m ² (340nm) 0.59W/m ² ~2.79W/m ² (420nm) 32W/m ² ~161W/m ² (300nm~400nm)
Temperature range	RT~70°C		
BPT/BST range	BPT: RT~110°C, BST: RT~110°C		
Humidity range	light: 10%RH~75%RH, dark: 10%RH~95%RH		
Irradiance deviation	±0.02W/m ² (340nm, 420nm), ±5W/m ² (300nm~400nm)		
Temperature deviation	±2°C		
Temperature fluctuation	±1°C		
BPT/BST deviation	±3°C		
Humidity deviation	±5%RH		
Rotation speed of sample holder	1r/min		
Humidifying method	high-pressure atomizing humidification		
Purified water consumption	300L~400L (continuous operation for 24 hours)		
Material	inside: stainless steel plate, outside: corrosion-resistant steel plate with powder coating		

SPECIFICATION

Lamp protect	over temperature of cooling water, low flow of cooling water, abnormality of lamp power
Alarm function	large irradiance error, over temperature of chamber, over temperature of BPT or BST, large humidity error, spraying water shortage, high conductivity of purified water
Cooling water system protect	monitor the conductivity of cooling water at real-time
Radiation protect	xenon lamp automatically turns off when chamber door opens
Operating environment	temperature: 22°C~30°C, humidity: 30%RH~85%RH
Power supply	AC380V, 3Ø, 50Hz
Power	9.5kW
Chamber dimension (L×W×H)	780×780×800mm
External dimension (L×W×H)	1200×1200×1970mm
Weight	500kg

STANDARD DELIVERY

Main unit	1 pc
Xenon arc lamp	1 pc
Light filter	1 set
Standard sample panel	1 set

OPTIONAL ACCESSORY

Irradiance calibrator	UVT-CAL
340nm xenon irradiance probe	XAT-A-CAL1
420nm xenon irradiance probe	XAT-A-CAL2
300nm~400nm xenon irradiance probe	XAT-A-CAL3
Xenon arc lamp+daylight filter	XAT-A101-LAMP
Xenon arc lamp+window glass filter	XAT-A102-LAMP
Xenon arc lamp+extended UV filter	XAT-A103-LAMP