

Sanwood Xenon Arc Lamp Accelerated Aging Test Chambers

The Sanwood SM-XD-XXXX-CA family of Xenon Lamp UV Aging Environmental Chambers allows you to simulate the full sunlight spectrum for your UV Aging test requirements.



● Specifications

Model		SM-XD-400-CA	SM-XD-600-CA	SM-XD-1000-CA	SM-XD-3600-CA
Temperature	Temperature control range	-70.0℃~80.0℃ (A:25℃~80.0℃;B:-20℃~80.0℃; C:-40℃~80.0℃;D:-70℃~80.0℃)			
	Temperature fluctuation	±0.5℃			
	Cooling rate	80.0℃~-70.0℃ Within 90mins (1.0~2.0℃/min)			
	Heating rate	-70.0℃~80.0℃ within 60mins (3.0~5.0℃/min)			
	Temperature uniformity	±2.0℃ (-40.0℃~80.0℃) ±3.0℃ (-40.0℃~-70.0℃)			
Humidity	Humidity control range	20.0%RH~98.0%RH(without lighting, temp range: 20.0℃~70.0℃) 20.0%RH~80.0%RH(with lighting, temp range: 20.0℃~80.0℃)			
	Humidity fluctuation	±2.0% RH			
	Humidity uniformity	±3.0% RH			
Lighting	Irradiance	(300~850nm) 550±10%W/m², (300~850nm) 1200±20%W/m²			
	Xenon lamp power	4.5KW、6kw(water-cooled all solar spectrum long arc xenon lamp)			
	Specimen rotation speed	1r/min			
	Distance between center of	476~482mm			
Material / components	Internal material	Stainless steel(SUS304)			
	External material	Cold rolled steel sheet / powder spraying			
	Heat insulating material	100mm thickness polyurethane plate + 10mm thickness mineral wool			
	Fan	Centrifugal blower			
	Compressor	France Tecumseh, Germany Bock, Germany Bitzer			
	Condenser	Air cooling, water cooling			
	Refrigerant	R404A、R23、R508			
	Evaporator	Fin - and - Tube Heat Exchanger			
	Heater	Nickel chromium alloy heating wire			
Size	Humidifier	Steam humidifier			
	Inner size(mm) W*H*D	700*850*700	850*900*750	1000*1000*1000	1700*1800*1200
	Outer size(mm) W*H*D	1350*1850*980	1500*1900*1050	1650*2100*1300	3600*2300*1600
	Volume (L)	400L	600L	1000L	3600L
Operating ambient temperature		+5 ~ 35℃			
Power supply		380V AC 50/60Hz			
Controller		South korea SAMWONTECH TEM880 7.0 inch controller, equipped with RS232 port;			