



UV Test Chamber



UV TEST CHAMBER LUVC-A1 SERIES

We deliver an excellent range of UV Test chambers, the model of LUVC-A1 series features three types of UV lamps: UV-A lamp that can simulate sunlight from 365nm to 295nm cut-off wavelength, UV-B lamp that can simulate short wavelength UV radiation that reaches earth's surface, UV-C lamp that can simulate UV sunlight through windows, this provides an accurate environment condition to give precise test results.

Features

- Designed to perform UV light testing with the help of UV lamps
- Provision to choose among different wavelengths of UV light
- Three types of UV lamps: UV-A lamp can simulate sunlight from 365nm to 295nm cut-off wavelength, UV-B lamp can simulate short wavelength UV radiation that reaches earth's surface, UV-C lamp can simulate UV sunlight through windows
- Light and temperature can be controlled through an user friendly coloured touch screen
- Light intensity control system allow users to set different test light intensity based on test requirements

Application:

The UV Test Chamber is widely used in plastics, printing and packaging, paint, resins, adhesives, automotive, cosmetics, metals, electroplating, medicine, etc.

Technical Parameters:

Model	LUVC-A10
UV Temperature	50°C to 75°C
Testing Capacity	48 piece (75 x 150mm); 50 piece (75x 150mm)
Weight (kg)	136
Water Consumption	Distilled water, 8liters per day
Dimension (W x D x Hcm)	137x53x136
Power	1ψ, 120V/60Hz, 16A or 230V/50Hz, 9A, 1800W(-max)

UV TEST CHAMBER LUVC-A2 SERIES

Labtron model of LUVC-A2 Series is equipped with UV carbon lamps to carry out UV testing along with temperature, humidity and rain to test the aging resistance to provide an accurate environment condition to give precise test results.

Features

- Light and temperature can be controlled through an user friendly coloured touch screen
- Light intensity control system allow users to set different test light intensity based on test requirements
- Designed to perform UV light testing with the help of UV carbon lamps
- Used to test aging-resistance of material when exposed to sunlight, temperature, humidity and rain

Application:

The UV Test Chamber is widely used in plastics, printing and packaging, paint, resins, adhesives, automotive, cosmetics, metals, electroplating, medicine, etc.

Technical Parameters:

Model	LUVC-A20	LUVC-A21
Temperature Range	RT+100C~850C	RT+100C~630C
Humidity Range	At 400C: R.H. is 40%~85%/ At 800C: R.H. is 30%~50%	30%~85%RH
Testing Time	20hours	
Testing Voltage	120V~145V (135V)	120V~145V
Testing Current	15A~17A (16A)	15A~17A
Black Bulb Thermometer	63±30C~83±30C	
Sample Rack Size	800 ϕ	508 ϕ
Sample Rack Rotation Speed (rpm)	1	3
Specimen Sample Rack	390x70mm,30pcs	248x50mm, 20pcs
Dimension (W x D x Hcm)	100x900x100	130x130x200
Power	1ϕ 220V 11KVA	1ϕ 220V 6KVA

UV TEST CHAMBER LUVCA30

Labtron provides UV Test Chamber LUVCA30 designed with stainless steel plate plus material which has fine corrosion resistance. It is best applicable for sunlight resistant test for non-metallic materials and aging tests of artificial light sources.

Features

- Programmable color display touch screen controller
- Incorporated with PC link software, R-232 /R-485 interface
- Equipped with solid and durable structured closed-type compressor unit
- Advance energy saving design and HFC refrigerant
- Designed with combination of three control systems- PLC, HMI and SOC
- Incorporated with protection module for safety voltage
- Protection against current leakage, overload, over-current, short circuit, over temperature, motor overheating, over pressure

Technical parameters:

Model	LUVCA30
UV wavelength	290 ~ 400nm
Specimens capacity	48 pieces Individual specimen size is 75mm*150mm
Temperature range	Ambient~90°C ±2°C
Humidity range	≥95%R.H ±2%R.H
Black Panel Temperature	BPT 30~70°C
Irradiation Source	Fluorescent UV lamps (8) - 40 W
Irradiance Control	N/A
Water Spray	Spraying water
Distance of Specimen and lamp (mm)	50
Internal dimensions (mm)	450*1170*500
Overall dimensions (mm)	680*1300*1500
Nominal power	5000W
Power Supply	380V 50HZ



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