

LS120 UV Energy Meter

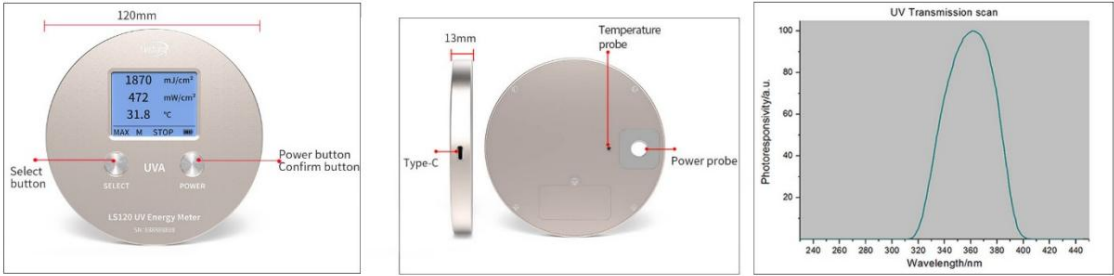


LS120 UV Energy Meter radiometer

The LS120 UV Radiometer is available with a choice of UV bands, the available bands are UVA 320-390Nm, UVB 280-320Nm, UVC 250-260Nm, and UVV 395-445Nm. The LS120 UV energy meter is widely used in UV curing, UV printing, UV ink curing, UV digital printing, laboratories, and other fields. It is used to monitor UV systems and verify the efficiency of UV lamps. Features: It displays the temperature curve, records the temperature and power in real time, the built-in mer accurately records the curing time, and can print a test report via a USB connection to a computer.

Parameters

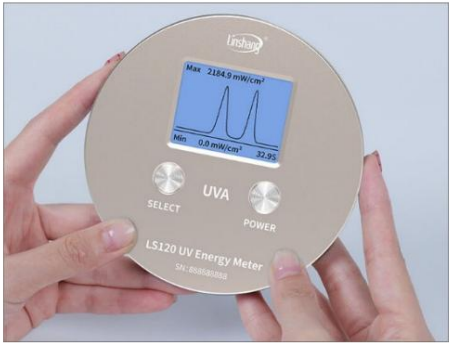
Parameter	LS120 UV Energy Meter
Application	Measurement of luminous intensity, energy and temperature of high-pressure mercury lamp
Specular range	315nm - 400nm, $\bar{y}_p = 365\text{nm}$
Power measurement range	0 - 2000 mW/cm ²
Power resolution	0.1 mW/cm ²
Energy measurement range	0 - 999999 mJ/cm ²
Accuracy measurement (H is the standard value)	H<5mW/cm ² : $\pm 0.5\text{mW/cm}^2$ H>=5mW/cm ² : $\pm 10\%H$, $\pm 5\%$ (pico)
Measuring range of the temperature	-55°C - +125°C
Sampling rate	2048 times/second
Registration period	32 min
Diet	2 dry alkaline AAA batteries
Display	Dot matrix LCD
Test hole diameter	$\bar{y}10\text{mm}$
Size	Diameter 120mm * thickness 13mm
Weight	225g



Two measurement modes are available. One is manual mode, which requires you to start or stop the measurement manually. Another is automatic mode, which can automatically start or stop the measurement when the energy intensity emitted by the light source exceeds or falls below the set trigger threshold.

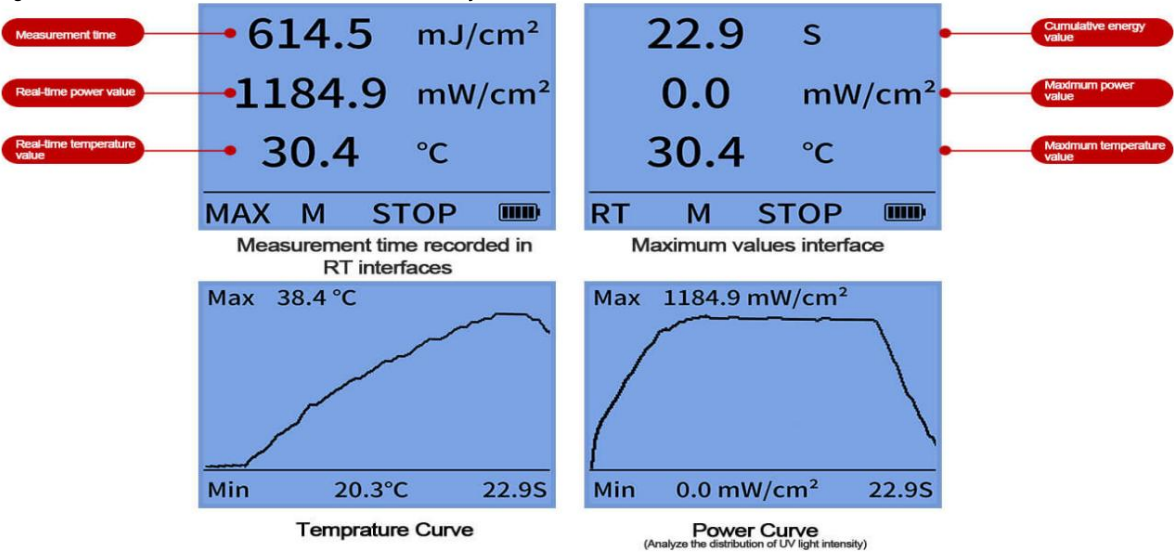


Automatic Measurement Mode Accurately records curing times and light intensity curve. Displays the curve.



Manual measurement mode Indicates the number of UV lamps and compares the output

Four interfaces help you record UV energy data. There are four interfaces to help you better understand the UV light source you've tested: in the maximum values interface, you can acquire the cumulative energy value, the maximum power value, and the maximum temperature value. The measurement time can be recorded in the RT interface. At the interface between temperature and power curve, you can see the temperature and power intensity variations of the light source. These interfaces can be switched freely.



Powerful PC software

The LS120 UV energy meter can be connected to PC software, which allows you to generate reports and print test results, as well as export test data.



Temperature measurement possible. High-precision, rapid-response temperature detector, true dynamic temperature measurement in the curing machine. **High high-temperature resistance.** Integrated heat shield, high-temperature resistant design. The UV energy meter can operate at 100 degrees Celsius for a long time. For details on the high-temperature resistance experiments of the Linshang UV energy meter, you can click the link below to check: Use time of the Linshang UV energy meter at different high temperatures.

Qualifications and Standards

The LS120 UV energy meter meets the following standard:

JJG 879-2015 Regulations for the Verification of Ultraviolet Radiometers

