



Linshang Technology
Make measurement easier

LS120 UV Energy Meter



Main Application :

For high pressure mercury lamp and halogen lamps

Spectral response range: 315nm-400nm, $\lambda_p = 365\text{nm}$

Record UV intensity, energy, temperature, test duration together

Product Introduction:

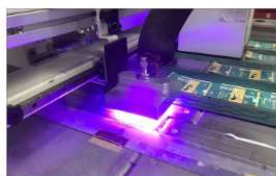
LS120 UV energy meter are design to measure energy, power, temperature and measuring time at the same time, and also manage to display the energy and power curves, export data and print test report. It has created many firsts in the UV energy meter industry:

- The first UV energy meter that can display the temperature curve
- The first UV energy meter can measure real-time temperature and power
- The first UV energy meter with a built-in timer that accurately records the curing time
- The first UV energy meter that can print a test report via a USB connection to a computer



Application:

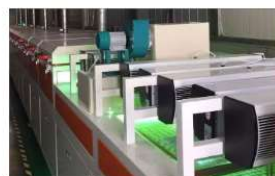
LS120 UV energy meter is widely used in UV exposure, UV adhesive curing, UV ink curing, UV digital printing, optical communication, UV 3D printing and other fields. It is suitable for energy measurement of high pressure mercury lamps, halogen lamps, gallium lamps, iron lamps, xenon lamps and other light sources.



UV printing



UV curing



UV 3D printing



UV exposure

Specification:

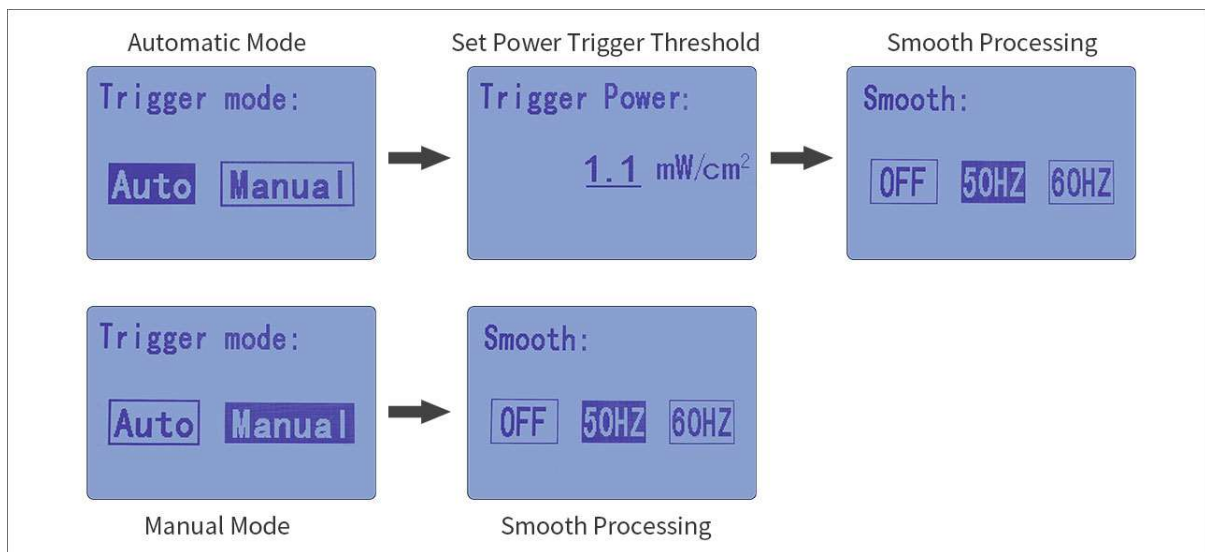
Parameter	LS120 UV Energy Meter
Application	Light intensity, energy and temperature measurement of high pressure mercury lamp
Spectral range	315nm - 400nm, $\lambda_p = 365\text{nm}$
Power measuring range	0 - 2000 mW/cm ²
Power resolution	0.1 mW/cm ²
Energy measuring range	0 - 999999mJ/cm ²
Energy measuring accuracy	$\pm 10\%$, $\pm 5\%$ (typical)
Temperature measuring range	-55°C - +125°C
Sampling speed	2048 times/second
Power data storage interval	32 times/second
Temperature data storage interval	2 times/second
Recording period	32 min
Power supply	2 AAA alkaline dry batteries
Display	Dot matrix LCD
Test Hole Diameter	$\varnothing 10\text{mm}$
Dimension	Diameter 120mm * thickness 13mm
Weight	327g



Feature:

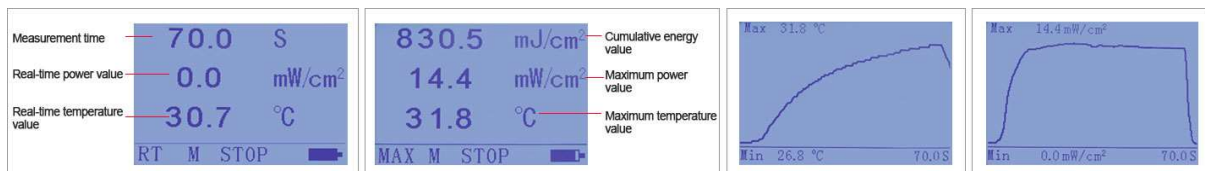
Two measurement modes available

There are two measurement modes. One is Manual mode which needs to start up or end of measurement manually. Another is automatic modes that can automatic switch-on or end of measurement when the energy intensity emitted by the light source is above or below the trigger threshold that can be set:



Four interfaces help you record the data of UV light source

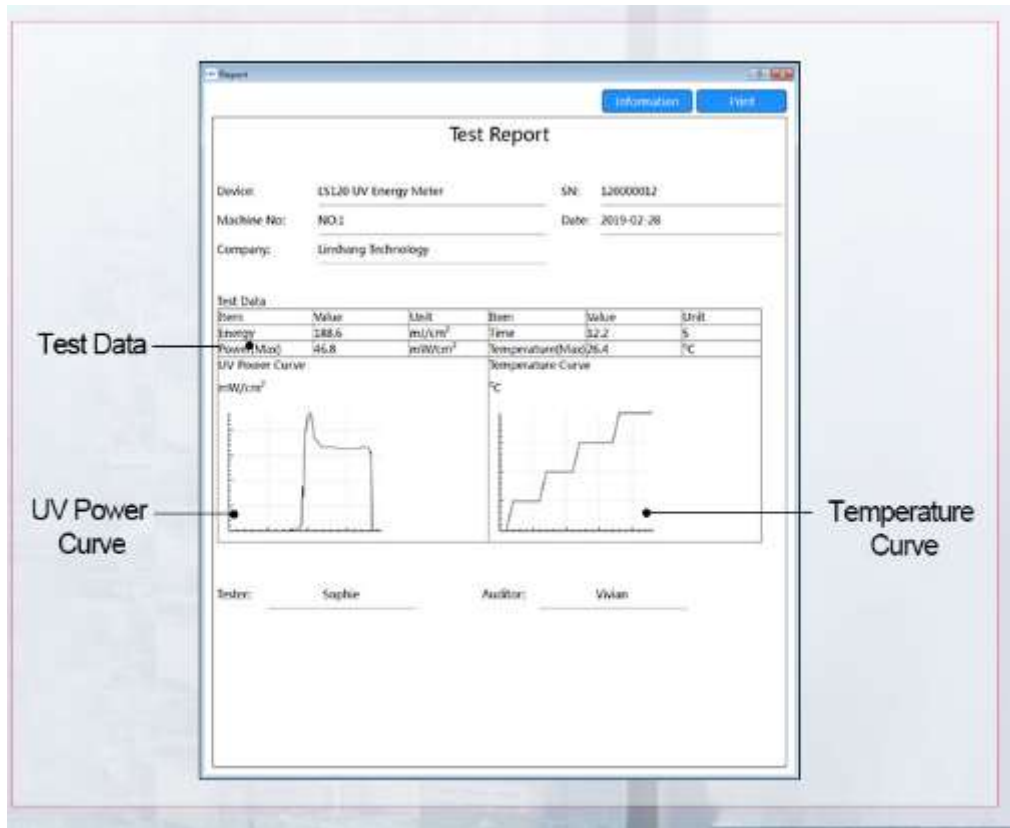
There are four interfaces to help you know better about UV light source you tested: In maximum values interface, you can acquire cumulative energy value, maximum power value and maximum temperature value. Measurement time can be recorded in RT interface. In temperature and power curve interface, you can know the temperature change and energy intensity variation of the light source. Four 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 out test results, as well as to export test data.



High temperature resistant

Built-in heat shield, high temperature resistant design. The UV energy meter can run in the environment of 100 degrees Celsius for a 2 hours long time.