# UV Energy Meter

Software Operation Manual V1.4

## 1. Introduction of LS\_UV Energy Meter Software

LS\_UV Energy Meter is the support software of Linshang UV Energy Meter. It can read all the stored data in the device, display curves, export data in EXCEL format, and print reports, etc. The device is equipped with a USB communication interface. In the STOP interface (the device cannot be connected with the software in other interfaces), plug the USB cable, start LS\_UV Energy Meter software to connect the device with the computer, and read the data in the device.

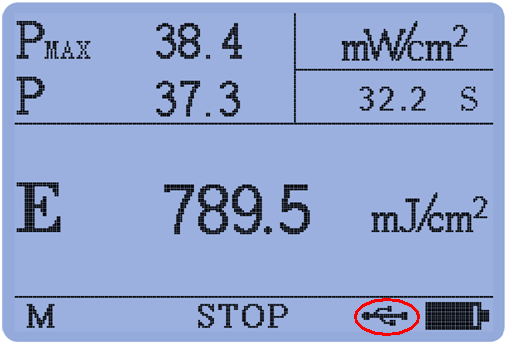
Particularly, the software has functions of report generation and printing. The software can automatically generate and print reports of measurement data. If a PDF printer is installed on your computer, you can print an electronic version of the report in PDF format. It is convenient to record and store measurement data.

You don't have to manually install the USB driver. Just connect the device with the computer, and you can realize data reading (when you connect the device with the computer for the first time, an alert will ask you to restart the computer to automatically load the driver). Currently the software supports Windows. Computer hardware configuration recommended 6th Generation Intel® Core™ i3 Processors, RAM greater than 4G.

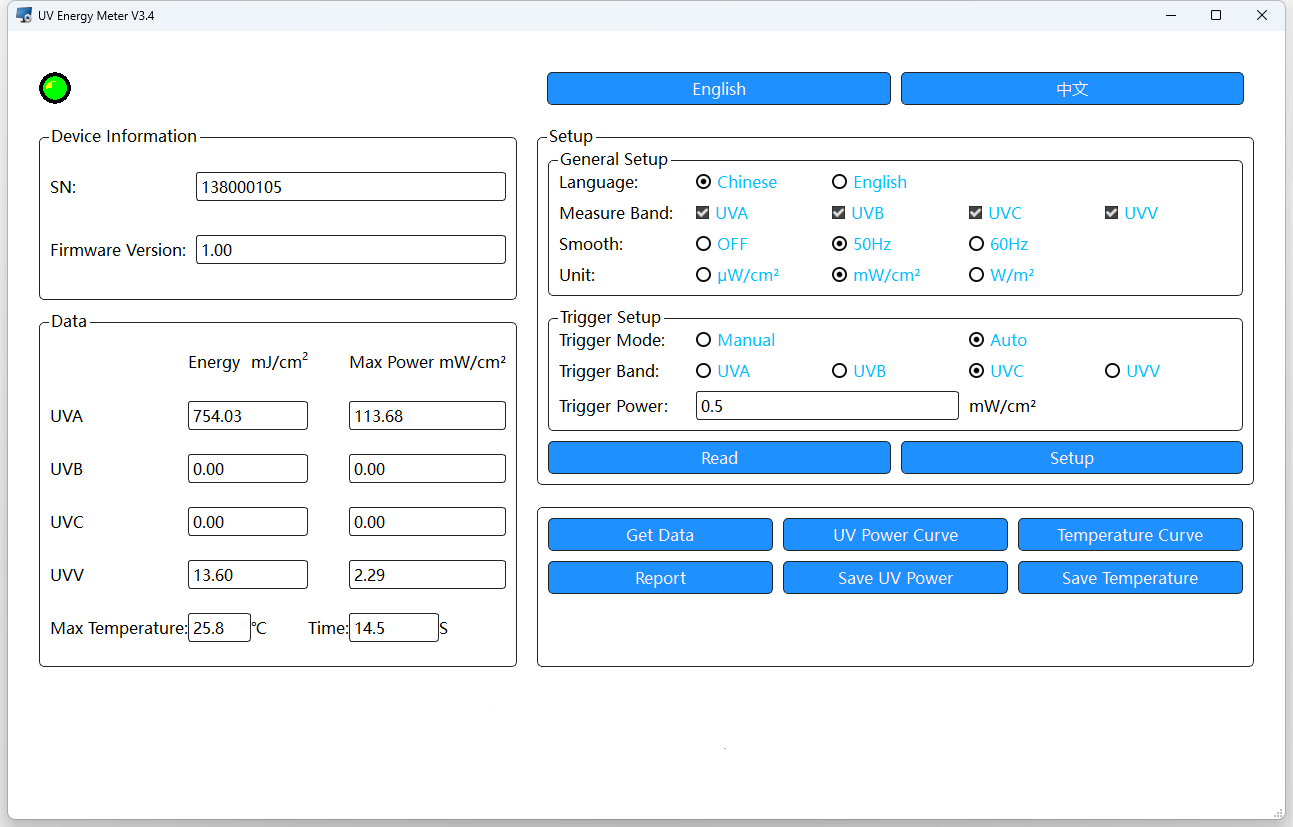
### ■ Hardware Connection

The cable connects with the USB interface of the computer on one end, and with that of the device on the other end.

If the device is in the measurement mode, after connection, a USB icon appears at the bottom right corner of the device display.



## 2. Software Interface



* **USB Connection Status Indicator**

Normal device connection: "Green".  
Abnormal or no device connection: "Dark Red".

* **Device Information**

It includes the SN, and Firmware Version.

* **Parameter Setting**

A. Language

Set the language interface to Chinese or English.

B. Measure Band (Displayed only when connected to a four-band instrument)

The four-band instrument supports the selection of UVA, UVB, UVC, and UVV.

C. Smooth

If the UV light source uses AC power supply, the frequency of the power will affect the accuracy of the power measurement, so the power frequency of the light source should be selected. **OFF**: select this option for no smooth and DC power supply.  **50HZ**: select this option for 50HZ alternating current.  **60HZ**: select this option for 60HZ alternating current.

D. Unit (Displayed only when connected to a four-band instrument)

The four-band instrument offers the following units: uW/cm², mW/cm², and W/m².

E. Standard selection (Displayed only when connected to a UVLED instrument)

You can select between LS-STD (Enterprise standard) and JG 879-2015 (National standard). If the instrument is to be sent to the Institute of Metrology for testing, the JG 879-2015 (National) standard must be selected.

F. Trigger Mode selection

**Select Auto**: After starting a measurement, the device starts measuring when the power value is greater than the preset trigger power, and stops measuring when the measured value is lower than the trigger power. **Select Manual**: press the button to start and stop a measurement respectively.

G. Set the trigger power (only in the Auto mode).

* **Function Buttons**

"中文": switch the interface to Chinese.  
"English": switch the interface to English.  
"Setup": set the configured parameters to the device.   
"Read": read the parameters of the device back to the display column of the software.  
"Get Data": read all historical data of the device.   
"UV Power Curve": display the recorded power data curve.  
"Temperature Curve": display the recorded temperature data curve.  
"Report": generate and print the test report in the report interface.   
"Save UV Power": save the power data in the EXCEL format.  
"Save Temperature": save the temperature data in the EXCEL format.

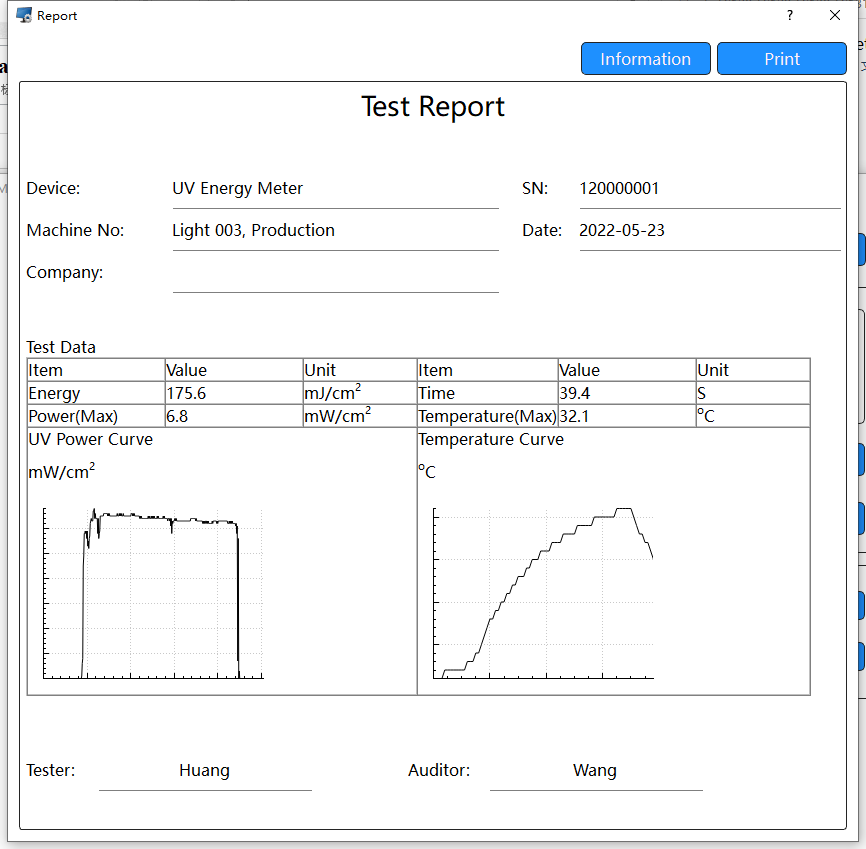
* **Data display area**

Displays UV Energy, Max UV Power, Max Temperature, and Time.

**Note:** Only in the connection with UV Energy Meter LS120 or LS128, the software features functions of Temperature Curve and Save Temperature. Other devices have neither such functions, nor displays related to temperature.

## 3. Software Operation

* Under the STOP interface (in other interfaces, the device cannot be connected to the software), connect the device with the computer, start LS\_UVEnergyMeter, and the software automatically obtains the basic information of the device.
* Click "Get Data" to read the historical data of the device.
* To print the report, click "Report" to generate the report as follows:



Statistical information includes the Value, Power (Max), Temperature (Max), and Time.

* Header information input: Click "Information" to enter the header information, and then click "Print" to print the report. The operation process is shown in the figure below:

