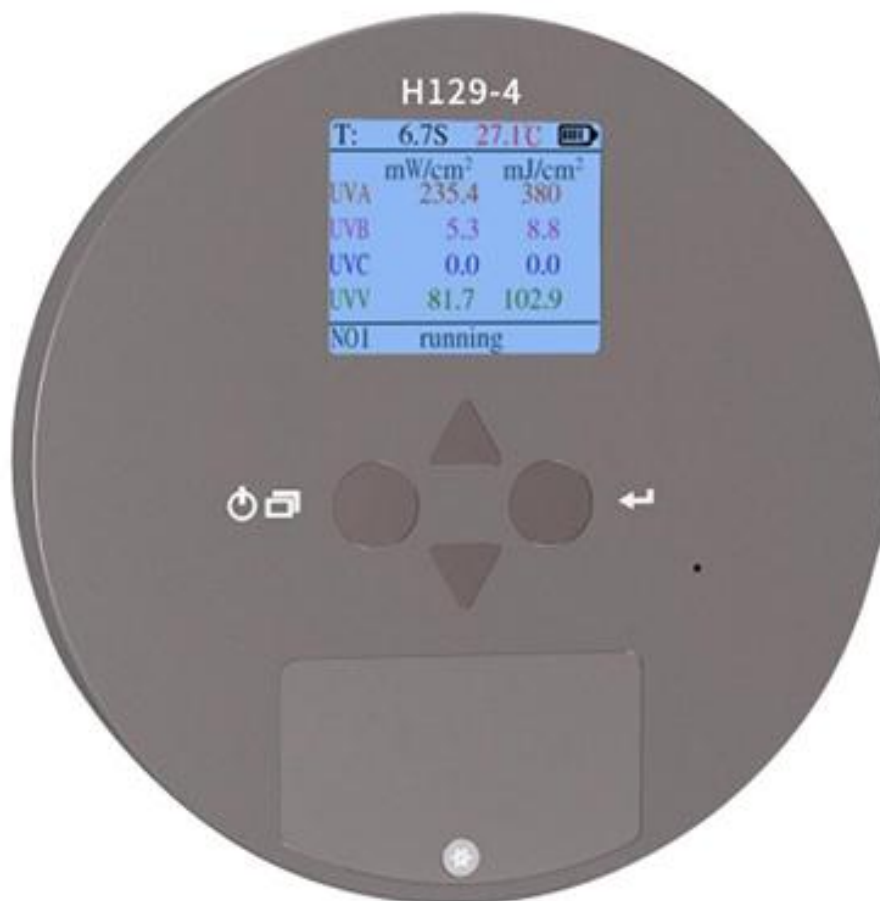


# sisco

## UV Light Radiometer

SISCO-UVM-H129-4



## Introduction

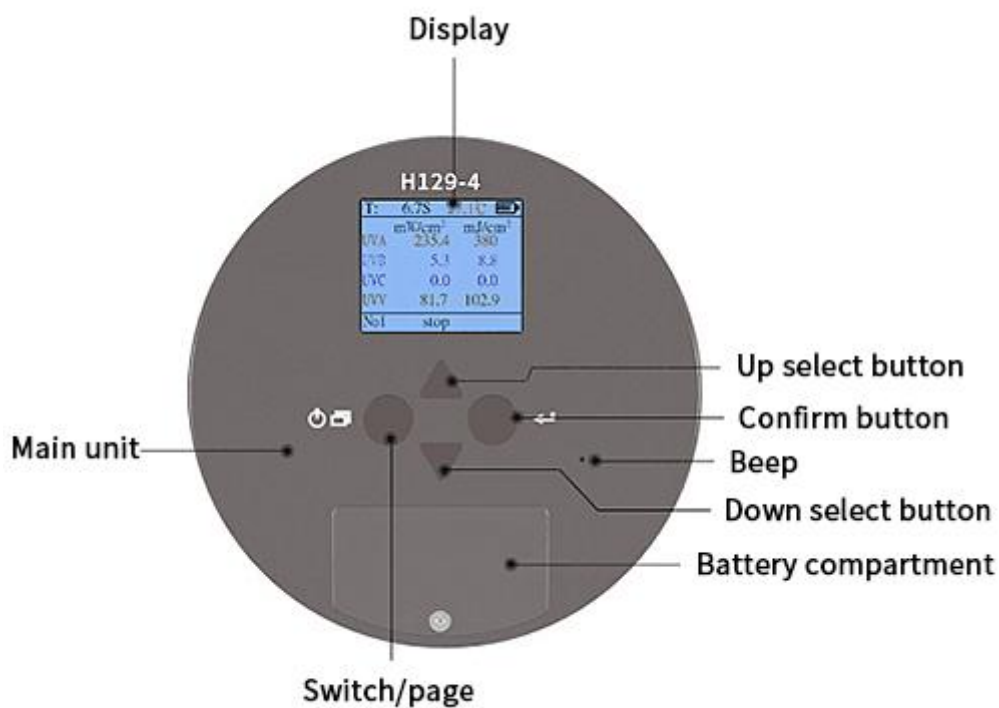
The **H129-4** ultraviolet light meter is a high-precision, high-efficiency UV intensity measurement. It is primarily suitable for testing the light intensity and energy of high-pressure mercury lamps, low-pressure mercury lamps, xenon lamps, mercury lamps, halogen lamps, plate-blowout lamps, light-cleaning lamps, CD lamps, UV iron lamps, sterilization lamps, and short-arc xenon lamps in the electronics, spray coating, UV coating, and printing industries. The H129-4 UV light tester not only measures UV energy and intensity, but also temperature, truly meeting your diverse needs with a single instrument.

## Product Advantages

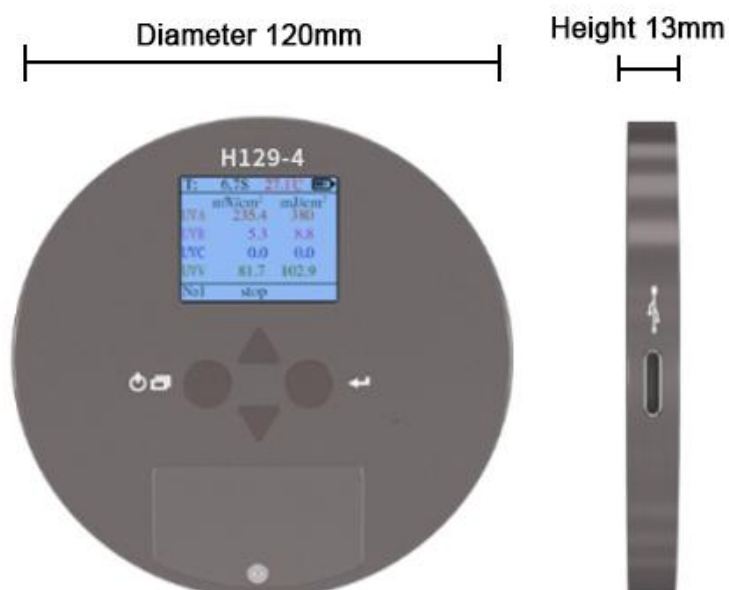
1. Simultaneously measures UV energy and intensity across four channels: UVA, UVB, UVC, and UVV.
2. Simultaneously measures temperature and UV power, displaying test curves.
3. Features a recording function and can store large amounts of data.
4. Equipped with computer analysis software for exporting reports.
5. The portable UV meter's units can be switched independently to meet the diverse needs of different customers.

<b>Model</b>	SISCO-UVM-H129
<b>Power Resolution</b>	0.1mW/cm <sup>2</sup>
<b>Accuracy</b>	±5%
<b>Storage Interval</b>	0.1s/time for power, 0.1s/time for temperature
<b>Data Storage Duration</b>	5 sets of data, 15 minutes
<b>Measurement Mode</b>	Automatic/Manual
<b>Data Transfer</b>	Yes
<b>Analysis Software</b>	Yes
<b>Sampling Speed</b>	0.01s/time
<b>Display</b>	Color LCD
<b>Power Supply</b>	2 alkaline dry cell batteries
<b>Size</b>	Diameter: 120mm x Height: 13mm
<b>Measuring Range</b>	0.1-20,000uW/cm <sup>2</sup> , 0-999,999uJ/cm <sup>2</sup> (Low Power Version Available) 0.1-20,000mW/cm <sup>2</sup> , 0-999,999mJ/cm <sup>2</sup> (High Power Version Available)
<b>Operating Temperature</b>	Wide temperature range -55°C to 125°C, high accuracy maintained throughout the entire temperature range -55°C to -10°C: ±1°C -10°C to 85°C: ±0.5°C 85°C to 125°C: ±1°C
<b>Units</b>	mw/cm <sup>2</sup> ; mj/cm <sup>2</sup> (Low power version switches units) w/cm <sup>2</sup> ; j/cm <sup>2</sup> ; w/m <sup>2</sup> ; j/m <sup>2</sup> (High power version switches units)

## Instrument Interface

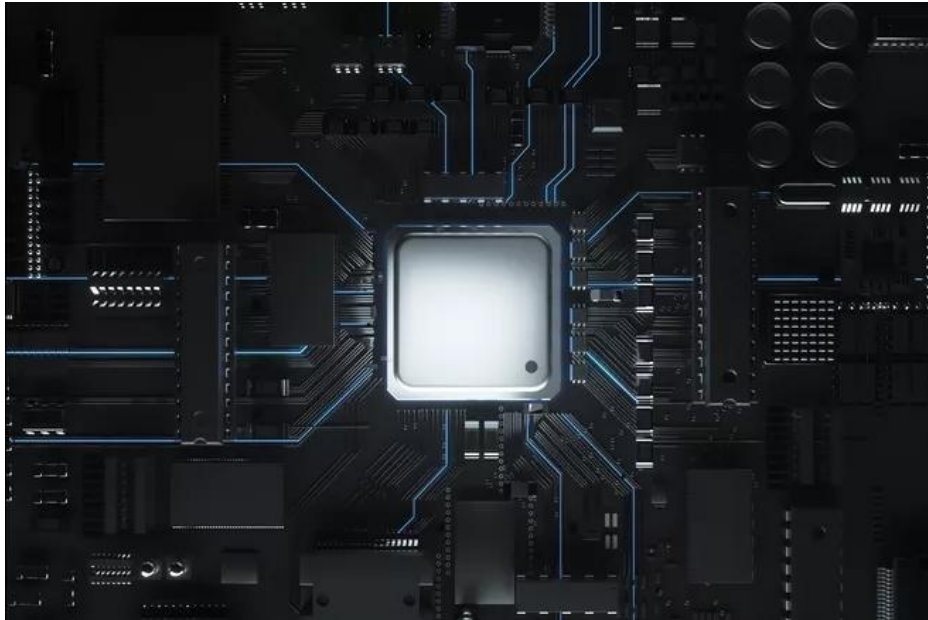


## Size

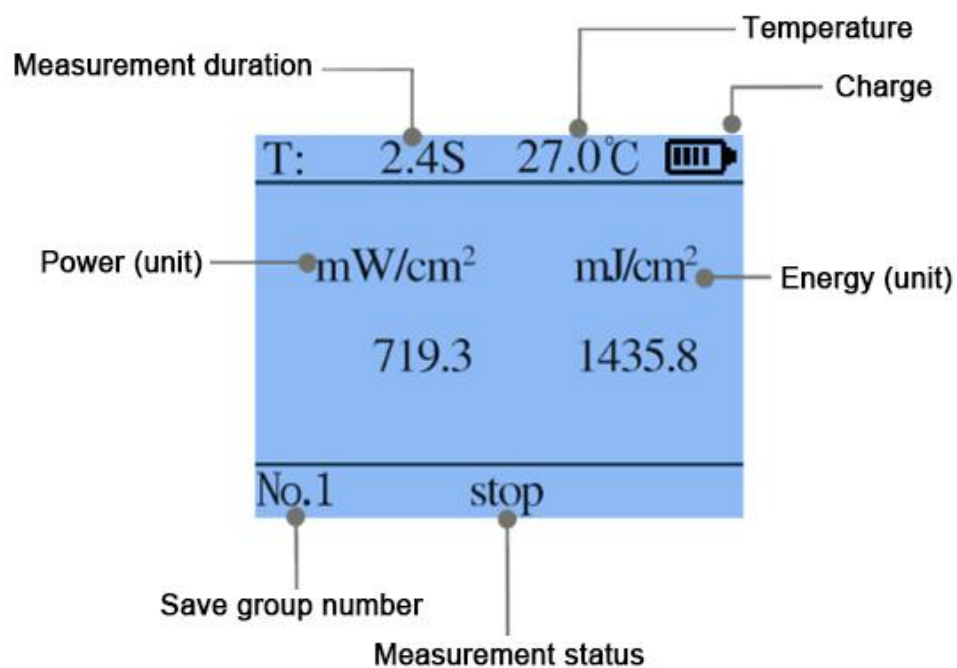


## Product Features

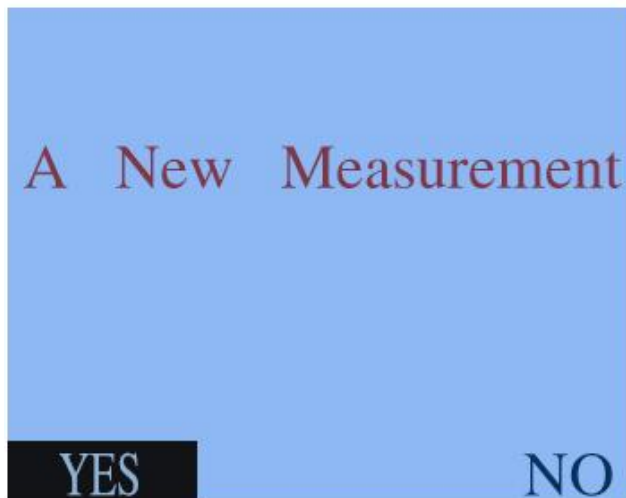
1. Ultra-intelligent UV energy radiation recorder, automatically identifies test wavelengths, and measures four channels simultaneously.



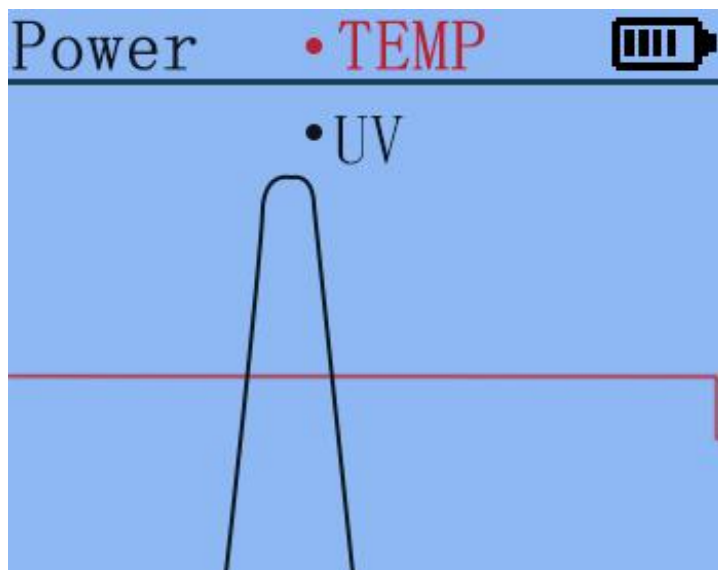
2. The color screen displays UV energy, UV power, test temperature, measurement time, battery level, saved group number, and measurement status.



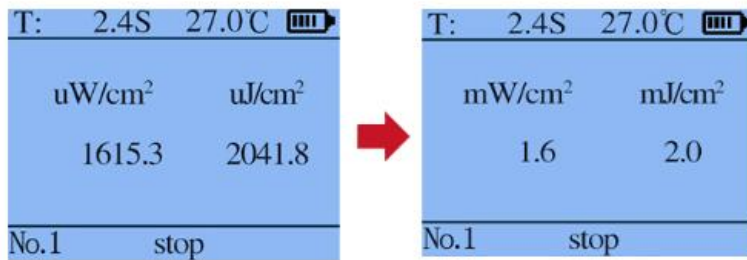
- The stored data will not be lost when the power is off, and the device will automatically ask whether to delete the previous data when it is turned on.



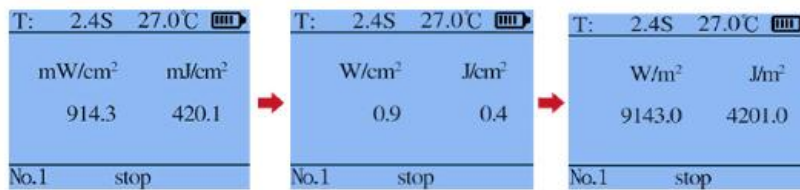
- High-precision temperature sensor, fast and real-time response to test temperature.



- Intelligent power switching: Low power can be switched to high power.  
(0.1 to 20,000  $\text{mw}/\text{cm}^2$ , 0 to 999,999  $\text{mj}/\text{cm}^2$ , default high power range)  
(Units:  $\text{m}/\text{cm}^2$ ,  $\text{j}/\text{cm}^2$ ,  $\text{w}/\text{m}^2$ ,  $\text{j}/\text{m}^2$ )  
  
(0.1 to 20,000  $\text{uw}/\text{cm}^2$ , 0 to 999,999  $\text{uj}/\text{cm}^2$ , optional low power range)  
(Units:  $\text{uw}/\text{cm}^2$ ,  $\text{mj}/\text{cm}^2$ , switchable to  $\text{mw}/\text{cm}^2$ ,  $\text{mj}/\text{cm}^2$ )

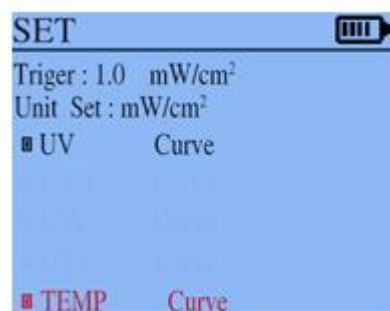
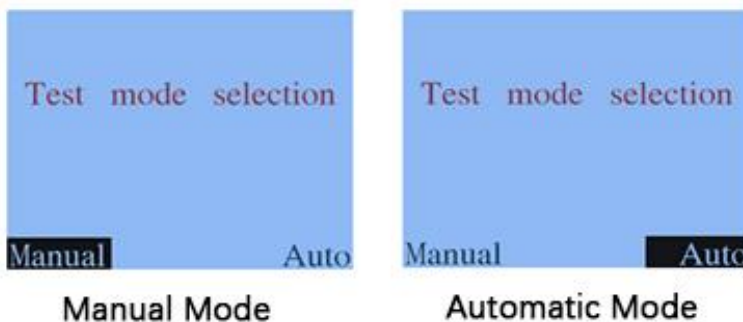


Switching to a low-power version unit



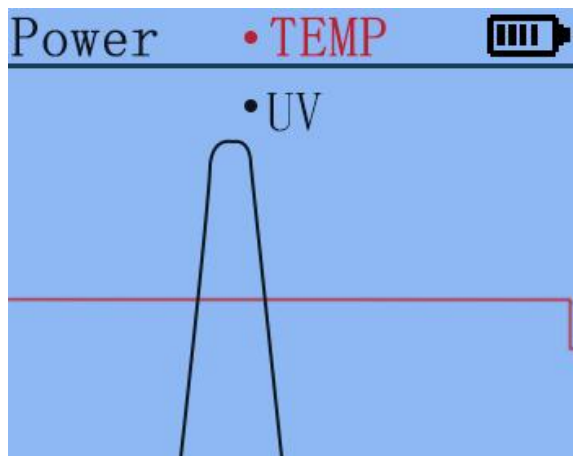
Switching to a high-power version unit

6. The instrument can be used in either manual or automatic measurement mode.
- Manual mode requires manual operation. After a set of data is stored for 3 minutes (i.e., 180 seconds), a beep will sound to indicate that the folder is full and measurement will continue. Data changes can be viewed directly, but no data is saved.
  - Automatic mode allows automatic measurement after the trigger value is set and the light source power reaches the set trigger value. After 3 minutes of measurement, the data is automatically saved and the next set of data begins.



Trigger value setting interface

7. You can check the curve changes while measuring.



8. USB interface for data transmission. Connect to computer software to read recorded data, perform data analysis, generate curves and export test reports.

9. Large capacity data storage, can store 5 groups of 3-minute data in a cycle, massive data storage, can set the power, energy, temperature measurement value with an interval accuracy of 0.1S.

10. Computer data is not afraid of being lost. After reading the data on the computer, it can be exported to Excel tables. The exported tables can be saved and the data can be imported again when needed. Measurement data, curve charts, and measurement reports are generated along with the data Excel tables.

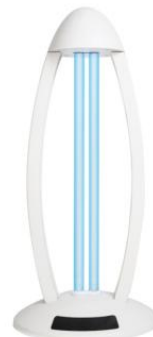
## Application



Platemaking machine



UV curing machine



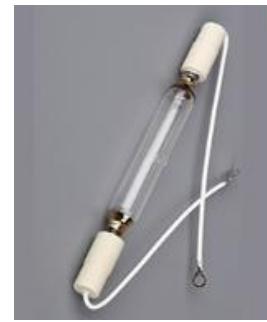
UV germicidal lamp



Biological testing chamber



Xenon lamp aging test chamber



Gallium lamp

## After-Sales Service

One-year warranty for non-human-caused damage, lifetime maintenance, and free technical support.

## Package Contents

<b>H129-4 UV Energy Meter</b>	<b>1</b>
<b>Software USB Drive</b>	<b>1</b>
<b>USB Data Cable</b>	<b>1</b>
<b>AA Batteries</b>	<b>2</b>
<b>Small Phillips Screwdriver</b>	<b>1</b>
<b>Instruction Manual</b>	<b>1</b>
<b>Certificate of Conformity/Warranty Card</b>	<b>1</b>
<b>Carrying Case</b>	<b>1</b>