

## UV Power Meter CNC123 for Windows Film, Solar Films, Laminated Glass

### General Description

UV Power Meter CNC123 is a wide range spectral wavelength power meter. It can be used for measuring the optical power density of UV light. It is used for

- Evaluating heat-insulating property of the tint of windows, solar films, glass and other transparent materials ;
- Measuring the power of ultraviolet radiation(260nm~380nm), gives visual and reliable result ;
- UV sterilization and curing;
- General laboratory use;



### Parameter

- 1-Accuracy :  $\pm (4 \%FS + 2\text{digit})$  FS: Full scale
- 2-Infrared peak response wavelength is 365nm, range (260nm-380nm)
- 3-Scale:  $\times 1$  (0-1999  $\mu\text{W}/\text{cm}^2$ );  $\times 10$  (2000 -19990  $\mu\text{W}/\text{cm}^2$ , displayed value  $\times 10$ )
- 4-Size: 125mm\*68mm\*22mm (L\*W\*H)
- 5-Weigh: about 110g
- 6-9V alkaline battery, 6F22

### Operation

Measure the UV power of solar or UV lamp

- 1-Put the meter at a suitable distance, and direct the end-mounted sensor to UV source, press the POWER key to switch on, select the suitable range for the measurement, the value will display.
- 2-Measure the UV rejection of solar control film, glass etc. it will take measuring in 2 steps.

Measuring the UV rejection of a solar film

- 1-Measuring the power of UV source UV1 W

2- Put the solar film in near front of the meter, measuring the transmitting power UV2 W ,

Then UV rejection =  $UV2 / UV1 \times 100\% - W / W$

In the example, UV rejection =  $UV2 / UV1 \times 100\% - W / W = 100\% - 12/372 = 96.77\%$

#### **Tips**

1-Measuring the UV rejection, Power meter should keep in the same position;

2- Choose the suitable measure range;

3-Turn off the power when not in use;

4-When change the battery, open the rear cover, use a new 6F22 alkaline battery;

5-Keep away from corrosive material, high temperature and humidity environment.

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Product 2]CNC PDLC SMART FILM FOR PRIVACY SWITCHABLE GLASS

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