

# UV LIGHT METER CODE 0132-UV199

DATA  
OUTPUT

- Self-recognize probes
- Real-time value, maximum value, minimum value, average value, time, energy value are displayed at the same time
- USB interface for data transmission



## MAIN UNIT SPECIFICATION

|              |                          |
|--------------|--------------------------|
| Display      | 240×160 LCD              |
| Power supply | 4 AAA alkaline batteries |
| Output       | USB                      |
| Dimension    | 148×76×26mm              |
| Weight       | 194g                     |

## STANDARD DELIVERY

|                        |      |
|------------------------|------|
| Main unit              | 1pc  |
| Probe (0132-UVA1)      | 1pc  |
| Software and USB cable | 1pc  |
| Battery                | 4pcs |

## PROBE SPECIFICATION

|                        |  |
|------------------------|--|
| Probe code             | 0132-UVA1 (included)   |
| Application            | General purpose low power UVA intensity and energy measurement                       |
| Spectral response      | $\lambda_p=365\text{nm}$<br>315nm-400nm  |
| Power measuring range  | 0~200000 $\mu\text{W}/\text{cm}^2$   |
| Resolution             | 0.1 $\mu\text{W}/\text{cm}^2$  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | ±10%   |
| Record time            | 0-99999s   |
| Sampling speed         | 6 times/second   |
| Measuring unit         | $\mu\text{W}/\text{cm}^2$ (default), $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ |
| Test hole diameter     | Ø10mm  |
| Probe size             | 39×32×15mm   |

|                        |  |
|------------------------|--|
| Probe code             | 0132-UVC0 (optional)   |
| Application            | Intensity and energy measurement of 254nm UV sterilization mercury lamp              |
| Spectral response      | $\lambda_p=254\text{nm}$<br>230nm-280nm  |
| Power measuring range  | 0~200000 $\mu\text{W}/\text{cm}^2$   |
| Resolution             | 0.1 $\mu\text{W}/\text{cm}^2$  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | ±10%   |
| Record time            | 0-99999s   |
| Sampling speed         | 6 times/second   |
| Measuring unit         | $\mu\text{W}/\text{cm}^2$ (default), $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ |
| Test hole diameter     | Ø10mm  |
| Probe size             | 39×15mm  |

|                        |  |
|------------------------|--|
| Probe code             | 0132-UVCWP1 (optional)   |
| Application            | Intensity and energy measurement of 254nm UV sterilization mercury lamp              |
| Spectral response      | $\lambda_p=254\text{nm}$<br>230nm-280nm  |
| Power measuring range  | 0~200000 $\mu\text{W}/\text{cm}^2$   |
| Resolution             | 0.1 $\mu\text{W}/\text{cm}^2$  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | $\pm 10\%$   |
| Record time            | 0-99999s   |
| Sampling speed         | 6 times/second   |
| Measuring unit         | $\mu\text{W}/\text{cm}^2$ (default), $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ |
| Test hole diameter     | $\varnothing 10\text{mm}$  |
| Probe size             | $\varnothing 50 \times 20\text{mm}$  |
| Waterproof depth       | 1m   |

|                        |  |
|------------------------|--|
| Probe code             | 0132-UVCLED0 (optional)  |
| Application            | Measurement of 260nm-285nm UV LED sterilization lamp                                 |
| Spectral response *    | 280nm-315nm  |
| Power measuring range  | 0~200000 $\mu\text{W}/\text{cm}^2$   |
| Resolution             | 0.1 $\mu\text{W}/\text{cm}^2$  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | $\pm 10\%$   |
| Record time            | 0-99999s   |
| Sampling speed         | 6 times/second   |
| Measuring unit         | $\mu\text{W}/\text{cm}^2$ (default), $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ |
| Test hole diameter     | $\varnothing 10\text{mm}$  |
| Probe size             | $\varnothing 39 \times 15\text{mm}$  |

\*Wide spectral range, avoid using in strong light

|                        |  |
|------------------------|--|
| Probe code             | 0132-UVB0 (optional)   |
| Application            | General puapose UVB intensity and energy measurement                                 |
| Spectral response *    | $\lambda_p=310\text{nm}$<br>280nm-315nm  |
| Power measuring range  | 0~200000 $\mu\text{W}/\text{cm}^2$   |
| Resolution             | 0.1 $\mu\text{W}/\text{cm}^2$  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | $\pm 10\%$   |
| Record time            | 0-99999s   |
| Sampling speed         | 6 times/second   |
| Measuring unit         | $\mu\text{W}/\text{cm}^2$ (default), $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ |
| Test hole diameter     | $\varnothing 10\text{mm}$  |
| Probe size             | $\varnothing 39 \times 15\text{mm}$  |

\*Suitable for measuring UVB light source with wavelength 297nm, 308nm, and 313nm .

|                        |  |
|------------------------|--|
| Probe                  | 0132-UVA0 (optional)   |
| Application            | Intensity and energy measurement of light source of high pressure mercury lamp in UV curing industry |
| Spectral response      | $\lambda_p=365\text{nm}$<br>315nm-400nm  |
| Power measuring range  | 0~2000mW/cm <sup>2</sup>   |
| Resolution             | 0.1mW/cm <sup>2</sup>  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | $\pm 10\%$   |
| Record time            | 0-99999s   |
| Sampling speed         | 2048 times/second  |
| Measuring unit         | mW/cm <sup>2</sup> (default), W/m <sup>2</sup>   |
| Test hole diameter     | $\varnothing 10\text{mm}$  |
| Probe size             | 39×32×15mm   |

|                        |   |
|------------------------|---|
| Probe code             | 0132-UVALED0 (optional)   |
| Application            | Intensity and energy measurement of area light source of UV LED in UV curing industry |
| Spectral response      | Calibrated with 395nm UV LED<br>340nm-420nm   |
| Power measuring range  | 0~20000mW/cm <sup>2</sup>   |
| Resolution             | 1mW/cm <sup>2</sup>   |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$   |
| Measuring accuracy     | $\pm 10\%$  |
| Record time            | 0-99999s  |
| Sampling speed         | 2048 times/second   |
| Measuring unit         | mW/cm <sup>2</sup> (default), W/cm <sup>2</sup> , W/m <sup>2</sup>                    |
| Test hole diameter     | $\varnothing 10\text{mm}$   |
| Probe size             | 39×32×15mm  |

|                        |  |
|------------------------|--|
| Probe                  | 0132-UVALED1 (optional)  |
| Application            | Intensity and energy measurement of point light source of UV LED in UV curing industry |
| Spectral response      | Calibrated with 395nm UV LED<br>340nm-420nm  |
| Power measuring range  | 0~20000mW/cm <sup>2</sup>  |
| Resolution             | 1mW/cm <sup>2</sup>  |
| Energy measuring range | 0-9999999 $\mu\text{J}/\text{cm}^2$  |
| Measuring accuracy     | $\pm 10\%$   |
| Record time            | 0-99999s   |
| Sampling speed         | 2048 times/second  |
| Measuring unit         | mW/cm <sup>2</sup> (default), W/cm <sup>2</sup> , W/m <sup>2</sup>                     |
| Test hole diameter     | $\varnothing 1\text{mm}$   |
| Probe size             | 39×32×15mm   |

|                               |   |
|-------------------------------|---|
| <b>Probe code</b>             | <b>0132-UVALED3 (optional)</b>  |
| <b>Application</b>            | General purpose UVA+UVV LED intensity and energy measurement, low power measuring range |
| <b>Spectral response</b>      | Calibrated with 395nm UV LED<br>340nm-420nm   |
| <b>Power measuring range</b>  | 0~200000 $\mu$ W/cm <sup>2</sup>  |
| <b>Resolution</b>             | 0.1 $\mu$ W/cm <sup>2</sup>   |
| <b>Energy measuring range</b> | 0-9999999 $\mu$ J/cm <sup>2</sup>   |
| <b>Measuring accuracy</b>     | ±10%  |
| <b>Record time</b>            | 0-99999s  |
| <b>Sampling speed</b>         | 6 times/second  |
| <b>Measuring unit</b>         | $\mu$ W/cm <sup>2</sup> (default), mW/cm <sup>2</sup> , W/m <sup>2</sup>                |
| <b>Test hole diameter</b>     | Ø10mm   |
| <b>Probe size</b>             | 39×32×15mm  |