

### Measuring principle

This meter measures the UV light intensity in  $\text{mW}/\text{cm}^2$  using photo sensor, precisely corrected by spectrum and angle characteristics to a specific wavelength.

### Applications

The instrument is suitable for the measurement of ultraviolet irradiance in sterilization, lithography, UV sterilization lamp, mosquito killing lamp water treatment, mosquito killing lamp, shoe factory, leather factory medical treatment, breeding and other fields.

### Features

- Spectrum and angle characteristics are precisely corrected with appropriate filters for stability
- 8 models with different wavelength peaks
- Measuring range upto  $200.0\text{mW}/\text{cm}^2$
- Backlit display
- Data hold and auto power off
- Data transfer via USB and Bluetooth (optional)



## Technical Specifications

| Model                        | UV 72A   | UV 72B                       | UV 72C                       | UV 72AB                      | UV 72AV                      | UV 72V420                    | UV 72F                       | UV 72MB  |
|------------------------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|
| <b>Peak</b>                  | 365 ± 5nm<br>(Curve 315-400)                                       | 297 ± 5nm<br>(Curve 280-315) | 254 ± 5nm<br>(Curve 200-280) | 340 ± 5nm<br>(Curve 290-390) | 395 ± 5nm<br>(Curve 340-420) | 420 ± 5nm<br>(Curve 395-445) | 365 ± 5nm<br>(Curve 200-400) | Multi-band<br>(315-400)<br>(280-315)<br>(200-280)<br>(340-420) |
| <b>Power measuring range</b> | 2.000/ 20.00/ 200.0 mW/cm <sup>2</sup>                             |                              |                              |                              |                              |                              |                              |  |
| <b>Accuracy</b>              | ±5%  |                              |                              |                              |                              |                              |                              |  |
| <b>Resolution</b>            | 0.1 mW/cm <sup>2</sup>   |                              |                              |                              |                              |                              |                              |  |
| <b>Power</b>                 | 4 x 1.5V AAA batteries   |                              |                              |                              |                              |                              |                              |  |
| <b>Sampling time</b>         | Approx. 0.5 seconds (2Hz)  |                              |                              |                              |                              |                              |                              |  |
| <b>Features</b>              | backlit display, data hold, low battery indication, auto power off |                              |                              |                              |                              |                              |                              |  |
| <b>Operating</b>             | Temp: 0~50C, Humidity <80% RH                                      |                              |                              |                              |                              |                              |                              |  |
| <b>Dimensions</b>            | Main unit: 140 x 72 x 34mm, approx. 200g<br>Sensor: 59 x φ58mm     |                              |                              |                              |                              |                              |                              |  |
| <b>Std accessories</b>       | Main unit, sensor, manual, case                                    |                              |                              |                              |                              |                              |                              |  |
| <b>Optional accessories</b>  | Bluetooth, PC interface(USB and software)                          |                              |                              |                              |                              |                              |                              |  |

| PEAK  | USE  |
|---|--|
| 365 ± 5nm (Bottom width 315-400)                              | Sun, worm lure, UVALED curing, mercury lamp                            |
| 297 ± 5nm (Bottom width 280-315)                              | Sun, sunscreen, breeding, plants, mites, UVCLED germicidal lamps       |
| 254 ± 5nm (Bottom width 200-280)                              | Hospital disinfection lamp, water treatment sterilization mercury lamp |
| 340 (290-390)   | Sun, sunscreen, mosquito attractant                                    |
| 395 (340-420)   | UVALED curing  |
| 420 (395-445)   | UVALED curing, Halogen lamp, Gallium lamp, black light                 |
| 365 (200-400)   | All available  |
| Ultraviolet (315-400) (280-315) multiband (200-280) (340-420) | All available  |