

# UV Radiometer 5.1

## GUVx-T1xGS5.1-LA6



### Features

- Display : Absolute Power(AP), Relative Power(RP), Accumulative Time(AT), Max power, Dose display (mJ/cm<sup>2</sup>)
- Output : DC voltage(1~5V) , Current output(4-20mA) , RS 485 communication , Relay (N/O, N/C)

### Applications

UV Curing Lamp Monitoring

Sterilization Lamp Monitoring

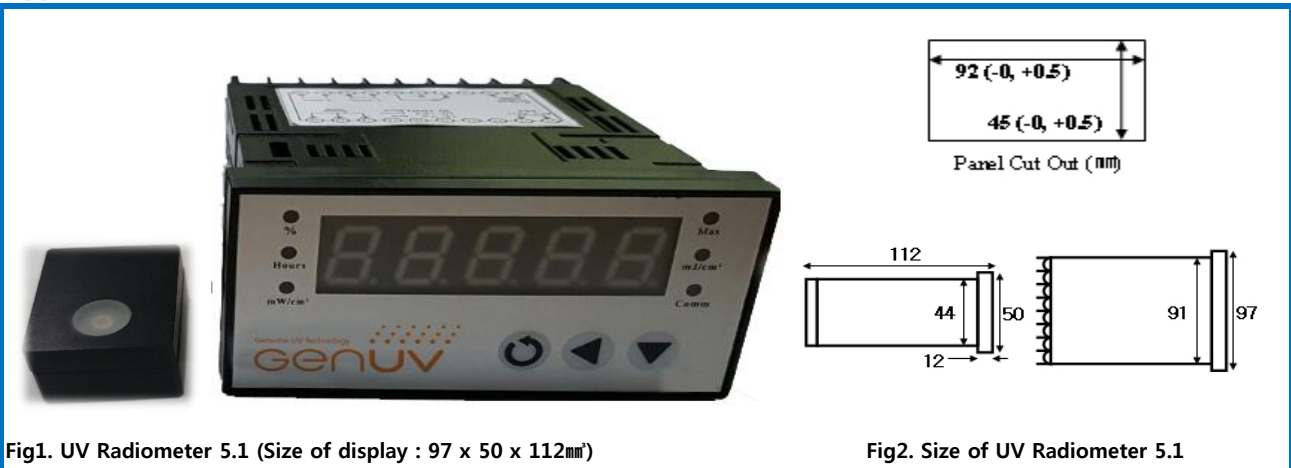


Fig1. UV Radiometer 5.1 (Size of display : 97 x 50 x 112mm)

Fig2. Size of UV Radiometer 5.1

### Sensor probe dimensions

| Size(mm <sup>3</sup> ) | Window(mm) | Weight(g) | Case Material | Cable Length(m) |
|------------------------|------------|-----------|---------------|-----------------|
| 36 x 30 x 16           | 12         | 40        | AL-60         | 5               |

Feature : detachable Connection cable , Adjustable Detection Range (Variable Resistor)

### Absolute Maximum Ratings

| Parameter             | Value    | Unit | Remark       |
|-----------------------|----------|------|--------------|
| Operation temperature | -30 ~ 85 | °C   | Sensor probe |
|                       | 0 ~ 50   | °C   | Display      |
| Working humidity      | 35 ~ 85  | %Rh  | Display      |
| Power supply          | 85 ~ 265 | VAC  | 50/60 Hz     |

### Electro-Optical Characteristics (at 25 °C)

| Parameter             | Min               | peak | Max | Unit               | Remark |            |
|-----------------------|-------------------|------|-----|--------------------|--------|------------|
| Detection Power Range | 0.1               |      | 100 | mW/cm <sup>2</sup> |        |            |
| Detection Range       | GUVV-T10GS5.1-LA6 | 230  | 365 | 395                | nm     | 10% of Max |
|                       | GUVA-T11GS5.1-LA6 | 220  | 350 | 370                | nm     |            |
|                       | GUVB-T11GS5.1-LA6 | 220  | 300 | 320                | nm     |            |
|                       | GUVC-T10GS5.1-LA6 | 220  | 254 | 280                | nm     |            |
|                       | GVBL-T12GS5.1-LA6 | 330  | 385 | 445                | nm     |            |

\* Measuring range can be changed by customer's Request

### Function

- Display : Absolute Power (mW/cm<sup>2</sup>), Relative Power (%), and Accumulative Time (Hours) , Max power(mW/cm<sup>2</sup>), Dose display (mJ/cm<sup>2</sup>)
- Output : DC Voltage (1~5V DC) , Current output (4 - 20mA, 300Ω max load) , Relay(NC/NO, 250VAC 3A /30VDC 3A), RS485 Communication