

# Portable UV Radiometer 7.1 (for Blue Light UV)

## GVBL-T12GS7.1-LA9 (with Probe)



**Description :** Portable Blue Light UV Intensity Measurement

**Function & Display :** Absolute Power (mW/cm<sup>2</sup>), Dose (J/cm<sup>2</sup>), Max Power (mW/cm<sup>2</sup>)

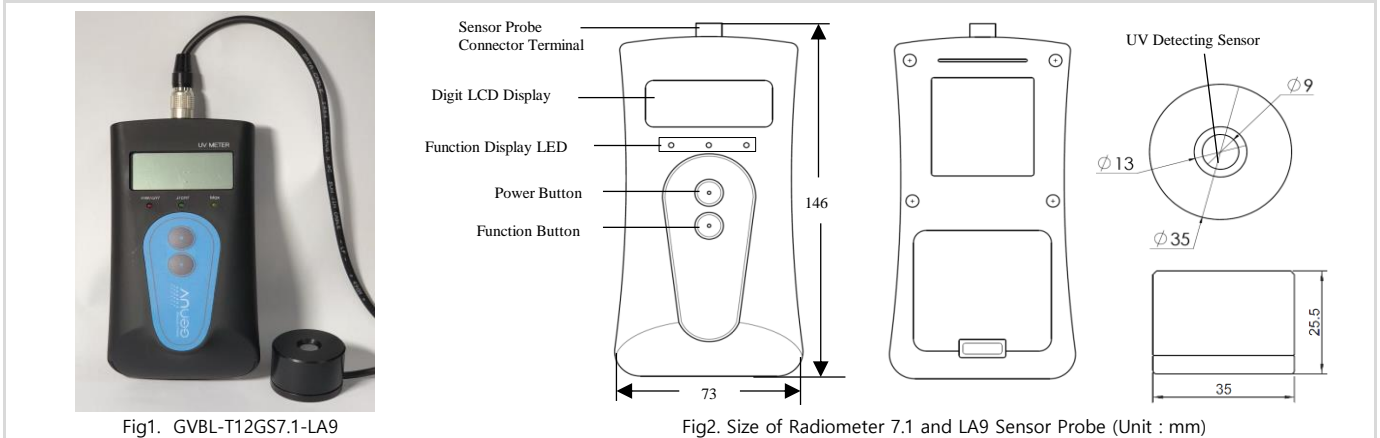


Fig1. GVBL-T12GS7.1-LA9

Fig2. Size of Radiometer 7.1 and LA9 Sensor Probe (Unit : mm)

### Features and Applications

| Features   | Applications   |
|--|--|
| <ul style="list-style-type: none"> <li>- 4.0 digit LCD display</li> <li>- Detachable LA9 Sensor Probe (Push-Pull connector)</li> <li>- Absolute Power, Dose and Max Power displayed</li> </ul> | <ul style="list-style-type: none"> <li>- Blue Light UV Intensity Measurements</li> <li>- Blue Light UV Transmittance Measurements</li> <li>- Portable Blue Light UV Intensity Meter</li> </ul> |

### UV Radiometer Dimensions

| Height(mm) | Width(mm) | Thickness(mm) | Weight(g)           | Material |
|------------|-----------|---------------|---------------------|----------|
| 146        | 73        | 31            | 100 (without batt.) | ABS      |

### Sensor probe Dimensions

| Size(mm)   | Window(mm) | Cable length(m) | Weight(g) | Material |
|------------|------------|-----------------|-----------|----------|
| Ø35, H25.5 | Ø9         | 1               | 80        | AL-60    |

### Absolute Maximum Ratings

| Parameter             | Min. | Typ. | Max. | Unit | Remark             |
|-----------------------|------|------|------|------|--------------------|
| Storage Temperature   | 0    |      | 60   | °C   |                    |
| Operating Temperature | 0    |      | 50   | °C   |                    |
| Operating Humidity    | 10   |      | 85   | % RH |                    |
| Battery               |      | 9    |      | VDC  | DC 9V (6LR61/6F22) |

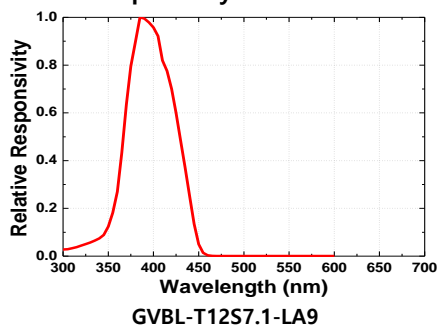
### Electro-Optical Characteristics (at 25°C)

| Parameter              | Min. | Typ. | Max.  | Unit               | Remark                   |
|------------------------|------|------|-------|--------------------|--------------------------|
| Detection Range        | 330  |      | 445   | nm                 | 10% of R <sub>peak</sub> |
| Detection Power Range* | 0    |      | 100.0 | mW/cm <sup>2</sup> |                          |

\*Customized available (Maximum of detection power : 10W/cm<sup>2</sup>)

(NIST Traceable)

### Relative Responsivity



#### Power button(on/off)

-> Push Power button over 3 seconds

#### Mode button

-> Change display mode  
 Absolute Power (mW/cm<sup>2</sup>) → Dose (J/cm<sup>2</sup>) →  
 Max Power (mW/cm<sup>2</sup>) → Absolute Power(mW/cm<sup>2</sup>).....



UV Detecting Sensor

