

UV Radiometer 1.0

KUV Series

Description

It inform the UV power of UV source through the LCD using UV Sensor. You can choose the sensor part by your application.

Constitution

Display, Adapter, Probe (Sensor+Connection line), Output Line

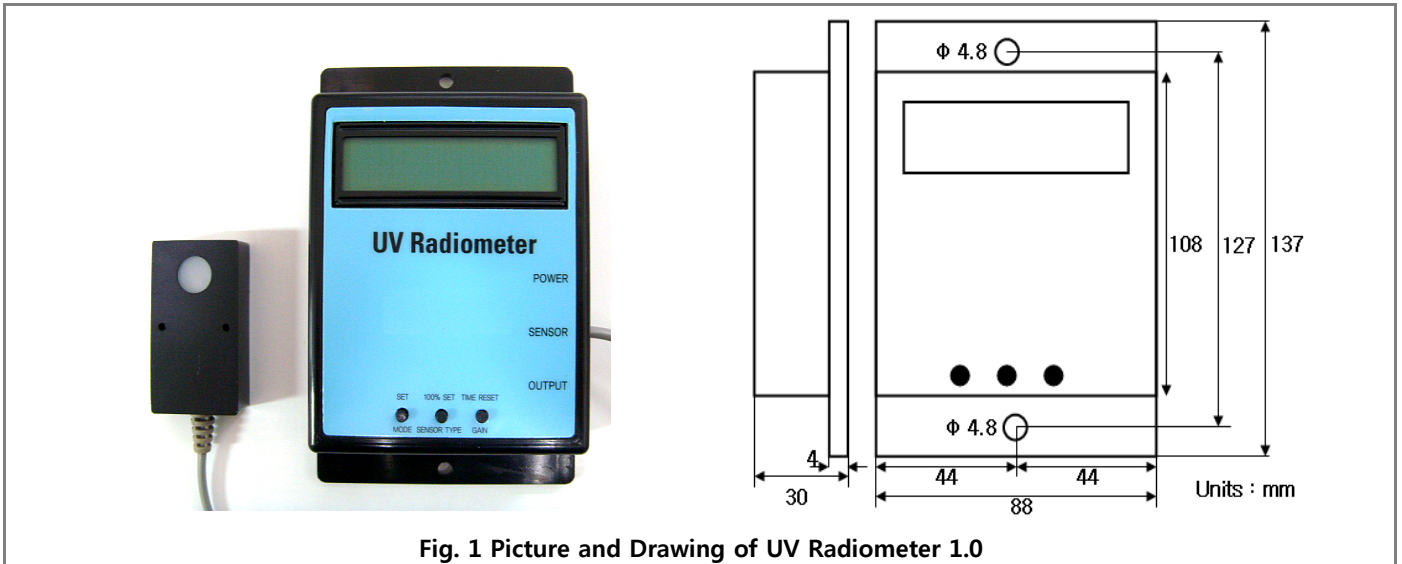


Fig. 1 Picture and Drawing of UV Radiometer 1.0

Case dimensions

| Type | Width (mm) | Length (mm) | Height (mm) | Window (mm) | Weight (g) | Connection Line (m) | Body | Remark |
|---------|------------|-------------|-------------|-------------|------------|---------------------|-------|--------|
| Display | 88 | 137 | 30 | - | 155 | - | - | |
| Probe | 30 | 55 | 16 | 12 | 57 | 5 | Al-60 | |

Information of UV Radiometer

| Parameter | Value | | | Unit | Remark |
|-----------------------|----------------|------|------|------|------------|
| | Min. | Typ. | Max. | | |
| Operating Temperature | -15 | | 65 | °C | |
| Power Consumption | | 0.13 | | A | |
| Detection Range | KUVV-T10GS-LA2 | 230 | 395 | nm | 10% of Max |
| | KUVB-T11GS-LA2 | 220 | 320 | nm | 10% of Max |
| | KUVC-T10GS-LA2 | 220 | 280 | nm | 10% of Max |

Connection

- Main Power
 - DC 9V 300 mA (AC220V 50/60 Hz Adapter)
- Detection Power Range
 - Standard : Max. 100 mW/cm²
 - Option : Max. 10 mW/cm² , Max. 1000 mW/cm²
- Output

It depends on UV power of UV source.

 - Voltage : 0 ~ 5 V, 0.1A Max.
 - Current : 4 ~ 20 mA, 5V

LCD Display

[MODE : UVV R.P.]

[DATA : 100 %]

1st Line : Sensor Type & Function

1) Sensor Type : UVV/UVA/UVB/UVC

2) Function : Using Mode Button

- A.P. : Absolute Power (unit : mW/cm²)

- R.P. : Relative Power (unit : %)

- Time : Cumulative Time

2nd Line : Data According To The Each Functions