



# Electro Optical Components, Inc.

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## UV Radiometer 2.0

### GUVx-T1xGS2-I8LW10



#### Description

Water Enviroments(10Bar), Display : Absolute Power, Output of Display : Relay, 4-20mA Current

#### Constitution

Display, Sensor Probe, 5m Cable

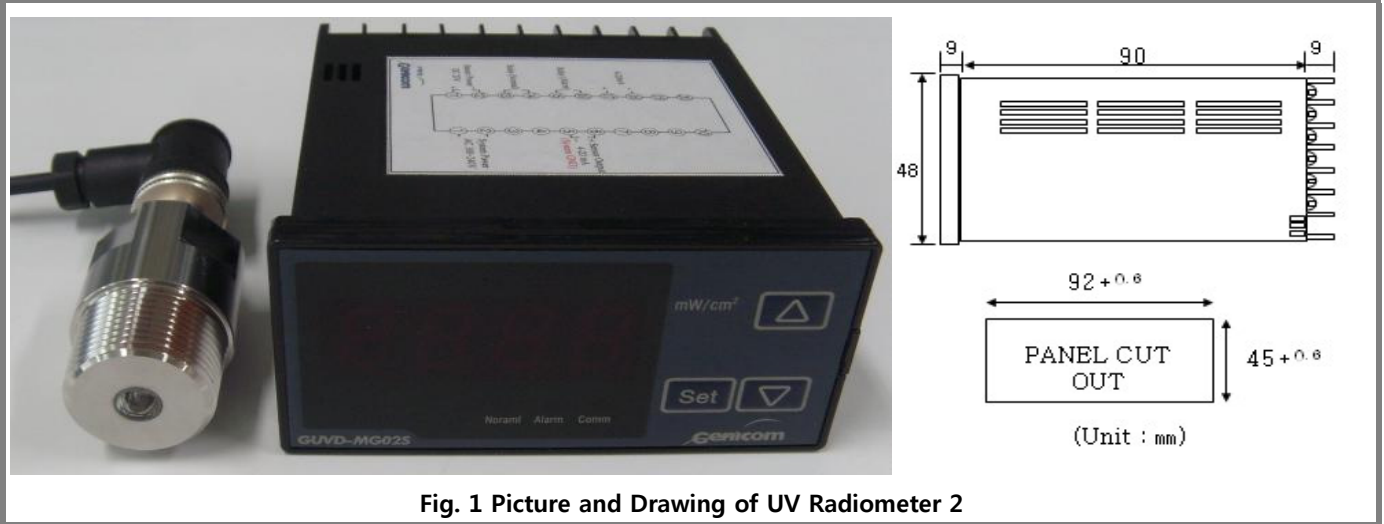


Fig. 1 Picture and Drawing of UV Radiometer 2

#### Case dimensions

| Thread/Length for Mounting | Diameter (mm) | Window (mm) | Wrench Size (mm) | Length (mm) | Weight (g) | Case Material |
|----------------------------|---------------|-------------|------------------|-------------|------------|---------------|
| PT3/4 "/16mm               | 30            | 7           | 26               | 62          | 200        | STS 316-L     |

#### Absolute Maximum Ratings

| Parameter             | Value |      |      | Unit | Remark       |
|-----------------------|-------|------|------|------|--------------|
|                       | Min.  | Typ. | Max. |      |              |
| Operating Temperature | -30   |      | 85   | °C   | Sensor Probe |
|                       | 0     |      | 50   | °C   | Display      |
| Power Consumption     |       |      | 5    | VA   |              |

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

| Parameter                  |                    | Value |      |      | Unit               | Remark |
|----------------------------|--------------------|-------|------|------|--------------------|--------|
|                            |                    | Min.  | Typ. | Max. |                    |        |
| Detection Wavelength Range | GUVV-T11GS2-I8LW10 | 230   |      | 395  | nm                 |        |
|                            | GUVB-T12GS2-I8LW10 | 220   |      | 320  | nm                 |        |
|                            | GUVC-T11GS2-I8LW10 | 220   |      | 280  | nm                 |        |
| Detection Power Range      |                    | 0     |      | 100  | mW/cm <sup>2</sup> |        |

\* Maximum of detection power : 20 mW/cm<sup>2</sup> (Option), 100 mW/cm<sup>2</sup> (Standard), 1000 mW/cm<sup>2</sup> (Option)

#### Connection (Backside of Display)

1. Main Power : 1 & 2, AC 100 ~ 240 V 50/60 Hz
2. Sensor Probe : 11(Vcc), 12(GND), 6(Sensor output), 5(GND)
3. Relay : 13 & 14 (Normal), 15 & 16 (Alarm)
4. 4-20 mA Current Output : 17(+), 18(-)