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Smart UV Checker II



GUVC-S10SUC2.0¹⁾-LA10 (External Sensor Probe)

Description : Portable UVC Intensity Measurement

Function & Display : Absolute Power (mW/cm²), Dose (mJ/cm²), Max Power (mW/cm²), Min Power (mW/cm²), Avg Power (mW/cm²)

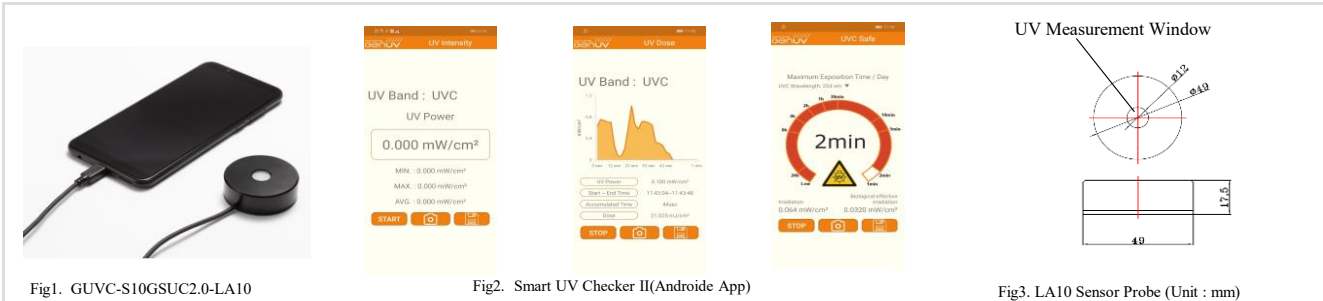


Fig1. GUV-C-S10GSUC2.0-LA10

Fig2. Smart UV Checker II(Android App)

Fig3. LA10 Sensor Probe (Unit : mm)

Features and Applications

| Features | Applications |
|--|---|
| <ul style="list-style-type: none"> - Display Measurements in the Android App - LA10 Sensor Probe (Micro USB 5pin OTG) - Absolute Power, Min, Max, Avg Power displayed - UV Dose, Dose Accumulated Time, Dose Graph - UV Power Autorange - Data Save²⁾, Screen Capture, Data Communication | <ul style="list-style-type: none"> - Intensity Measurement of UV Sterilizer - UVC Light Transmittance Measurements - Portable UVC Intensity Meter - UVC Safe Tester <p><small>*Reference :Non-binding guide to good practicefor implementing Directive 2006/25/EC Artificial Optical Radiation.</small></p> |

Sensor probe Dimensions

| Size(mm) | Window(mm) | Cable length(m) | Weight(g) | Case Material |
|------------|------------|-----------------|-----------|---------------|
| Ø40, H17.5 | Ø12 | 2m | 90 | AL-60 |

Absolute Maximum Ratings

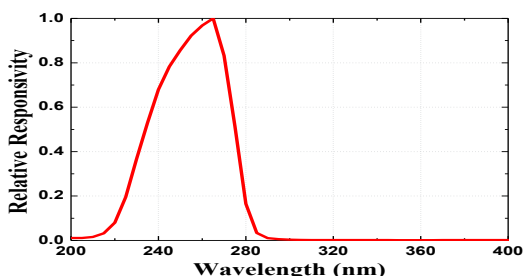
| Parameter | Min. | Typ. | Max. | Unit | Remark |
|-----------------------|------|------|------|------|--------|
| Storage Temperature | 0 | | 60 | °C | |
| Operating Temperature | 0 | | 50 | °C | |
| Operating Humidity | 10 | | 85 | % RH | |

Electro-Optical Characteristics (at 25°C)

| Parameter | Min. | Typ. | Max. | Unit | Remark |
|------------------------|------|------|-------|--------------------|------------------------------------|
| Detection Range | 220 | | 280 | nm | 10% of R _{peak} |
| Detection Power Range* | 0 | | 100.0 | mW/cm ² | Measuer min = 30µW/cm ² |

* Customized available (Maximum of detection power : 1W/cm²)

Relative Responsivity



Sensor Probe Characteristics

| Parameter | Value |
|-----------------------|--|
| Resolution | 0 ~ 1mW/cm ² : 0.001mW/cm ² 1 ~ 10mW/cm ² : 0.01mW/cm ² 10 ~ 100mW/cm ² : 0.1mW/cm ² 100 ~ 1000mW/cm ² : 1mW/cm ² |
| Max Dose | 0 ~ 9999J/cm ² |
| Data Measurement Time | 24Hour Depending on the battery capacity of the smart device |
| Linearity | < 1% |
| Accuracy | ± 3% |
| Sampling Speed | 10/s(second) |

1) Android App Name & Version(Smart UV Checker II)

2) Save When you click the button, save data to the corresponding app folder on the device