



Smart UV Bluetooth Checker(Preliminary)



GUVV-S10SUC2.0BT¹-LA11 (Bluetooth 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. GUVV-S10SUC2.0BT-LA11



Fig2. Smart UV Checker BT(Android App)

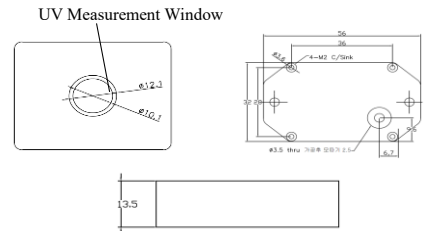


Fig3. LA11 Sensor Probe (Unit : mm)

Features and Applications

Features	Applications
<ul style="list-style-type: none"> Display Measurements in the Android App LA11 Sensor Probe (Bluetooth Communication : BLE) 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 *Reference :Non-binding guide to good practicefor implementing Directive 2006/25/EC Artificial Optical Radiation.

Sensor probe Dimensions

Size(mm)(Length(mm) * Width(mm) *Height(mm))	Window(mm)	Weight(g)	Case Material
56 * 32 * 13.5	Ø12	20	Acetal

Absolute Maximum Ratings

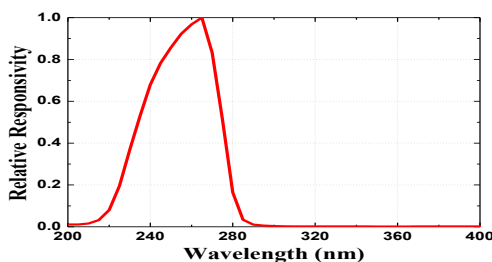
Parameter	Min.	Typ.	Max.	Unit	Remark
Storage Temperature	0		60	°C	
Operating Temperature	0		50	°C	
Operating Humidity	10		85	% RH	

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	1/s(second)
Probe Battery Continuous Usage Time	Up to 3 days after battery replacement

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

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

App Window Function Description



a) UV BAND : UV Measurement Band

b) UV Intensity Measurement Value

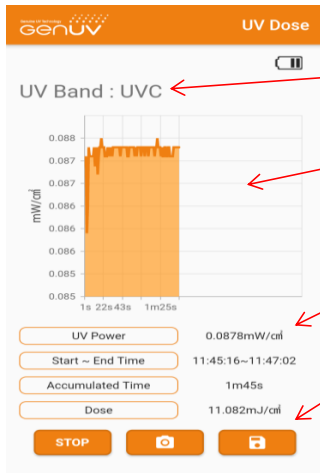
c) MIN., MAX., AVG of UV Intensity Measurement

d) **START STOP** : UV Intensity Measurement START/STOP Button

: Screen Capture Button
(E-mail and message screenshot transferable)

: Data Save Button
Save Path:(.../Internal storage\Smart UV Checker II)

< UV Intensity Window >



a) UV BAND : UV Measurement Band

b) Real-Time Dose Graph : UV DOSE Measurement Graph

c) UV Power(UV Intensity), DOSE Measurement Start ~ End Time
Accumulated Time, Dose Value

d) **START STOP** : UV DOSE Measurement START/STOP Button

: Screen Capture Button
(E-mail and message screenshot transferable)

: Data Save Button
Save Path:(.../Internal storage\Smart UV Checker II)

< UV Dose Window >



a) Input of UVC Wavelength Value

b) UVC Safety time Graph

c) Irradiation and Biological Effective Irradiation Value

d) **START STOP** : UVC Safe Measurement START/STOP BUTTON

: Screen Capture Button
(E-mail and message screenshot transferable)

: Data Save Button
Save Path:(.../Internal storage\Smart UV Checker II)

< UV Safe Window >