



## UV Sensor Array for Uniformity checker

### GUVx<sup>1)</sup>-Sxx<sup>2)</sup>GC-SA<sup>3)</sup>



### Features

- Measuring large area light sources (Detect area 100mm x 100mm)
- Sensor Number 100ea, Sensor Spacing 10mm(Good spacial resolurt 10mm)
- UV Sensor change according to consumer needs(Detector UV Wavelength UVA, UVB, UVC, UVV)  
\* Bandpass is available
- 2D & 3D plot Uniformity

### Applications

- UV power(intensity) measurement for UV surface treatment
- UV power(intensity) measurement for UV curing
- 3D Printer
- UV lithography

### Components



**PART1. UV SensorArray Module**



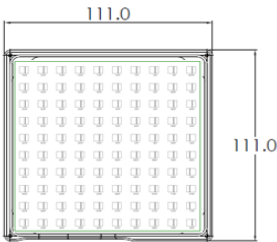
**PART2. Micro 5pin USB Cable(2m)**



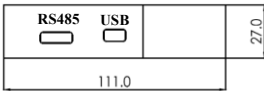
**PRAT3. Measure Program**

### Case Dimensions

Size(mm)	Window (mm)	Weight (g)	Body (Aluminium)
111.0 *111.0 * 27	105 * 105 * 2	320	AL6061 (Black anodizing)



**Fig1. Top view**



**Fig2. Side view**

### Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	T <sub>st</sub>	-40		90	°C	
Operating Temperature	T <sub>op</sub>	-30		85	°C	

1) Detection range(GUVx-UV, GVxx-Visible)

2) Serial No. of sensor

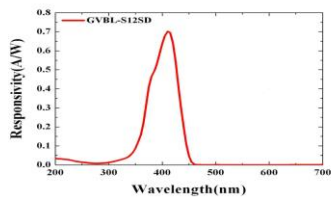
3) SA(Sensor Array)

### Electro-Optical Characteristics

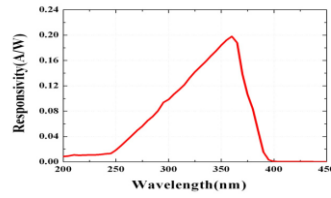
Parameter	Symbol	Value			Unit	Remark	
		Min.	Typ.	Max.			
Sensor Number			100		ea		
Detection Range	GVBL-S31GC-SA	λ	345		450	nm	10% of Max.
	GUVV-S10SC-SA		240		395		
	GUVA-S12SC-SA		240		370		
	GUVB-S11SC-SA		240		320		
	GUVC-S10GC-SA		220		280		
Output Digital Resolution (Sensor 1ea.)	bit		12		bit		
Detection Power Range	P	0		1000	mW/cm <sup>2</sup>	*Standard	

\*Customization is available

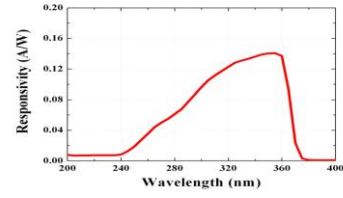
### Responsivity Curve



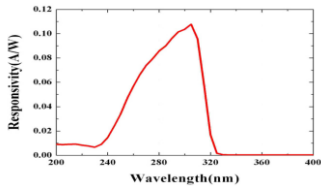
1) GVBL-S31GC-SA



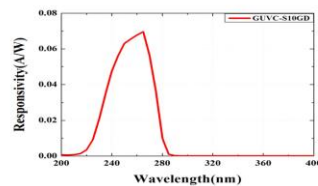
2) GUVV-S10SC-SA



3) GUVA-S12SC-SA



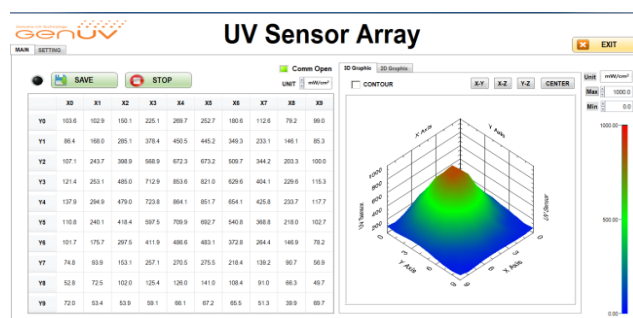
4) GUVB-S11SC-SA



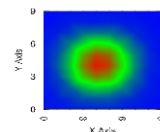
5) GUVC-S10GC-SA

### Measure Program

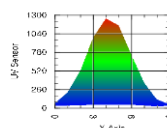
1. Measure program is PC based ( Windows 7, Window10) program
2. UV Power & Measure Window
3. Communication Setting Window( Com port configuration setup )
4. Save Measure Data(\*.CSV Files)



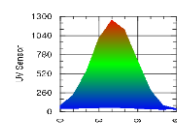
MAIN Measure Window



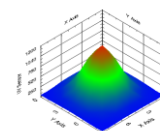
X-Y Plane



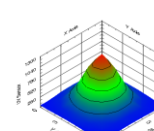
X-Z Plane



Y-Z Plane



3D Grapic



Counter



View average levels of external diameter