

Outdoor UV Index Meter

GUVB-S11GS-AG03.5

Features

- UVI display with solar cell panel (No need for additional power supply)
- Include indoor UV indicator (Wireless communication)

Material

- Case : ABS
- Cover : Acrylic

Physical Dimensions & Connection

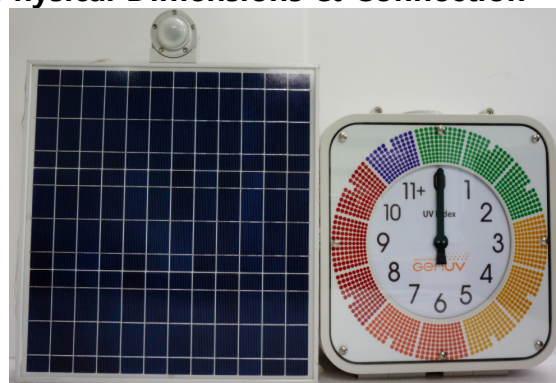
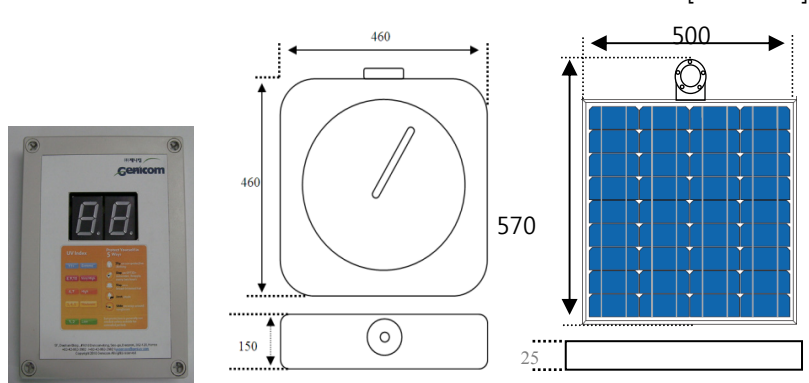


Fig 1.GUVB-S11GS-AG03.5



Indoor UV indicator

Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Remark
Storage Temperature	T _{sp}	-30 ~ 80	°C	
Operating Temperature	T _{op}	-30 ~ 70	°C	

Mechanical Data

Parameter	Value	Unit	Remark
Weight (Main body)	12.5	kg	with Solar Pannel
Indoor UV indicator	0.33	kg	
Size	Indicator	460 × 460 × 150	mm ³
	Solar Pannel	570 × 500 × 25	mm ³
	Indoor UV indicator	130 × 180 × 35	mm ³

Electrical Characteristic (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
UV Index Display		0		11+	UVI	
Delay Time	Tr		10		sec	

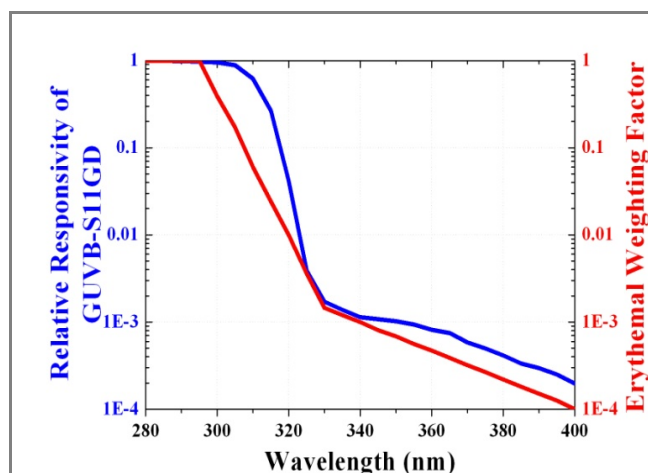


Fig 2. Relative Reaction Curve of UV Sensor

Exposure Category	UVI Range
Low	< 2
Moderate	3 to 5
High	6 to 7
Very high	8 to 10
Extreme	11+

*Reflects adoption of the Global Solar UV Index (effective May 2004).

Fig 3. UV Index information

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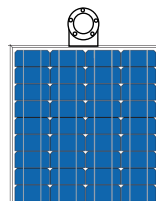
Cautions for installation

① UV Sensor Part



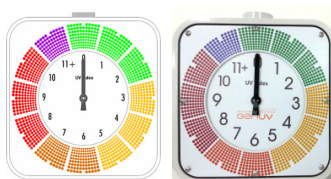
1. Do not install (locate) the Sensor Part in the shade of trees or buildings
2. Install (locate) the Sensor Part in the place with direct sunlight

② Solar Cell Panel

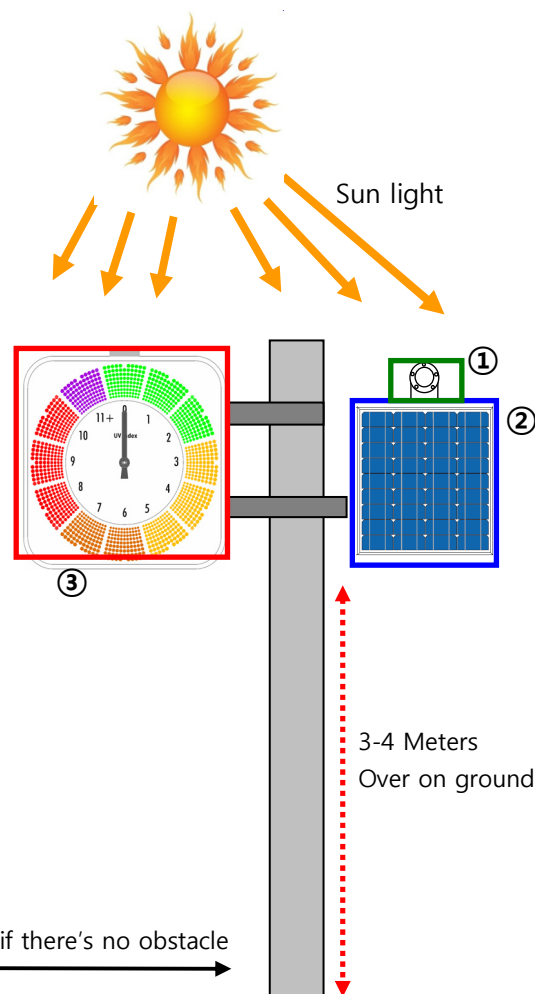


1. Adjust the direction (angle) of the Solar Panel to Sunlight
2. Fully expose the Solar Panel to direct sunlight
3. Be careful not to block the sunlight

③ Indicator



1. Install to be visible for people
2. Install Indoor UV indicator (Maximum communication distance is 100m.)



Maximum installation distance is 50M, if there's no obstacle

Fig 4. Installation Example

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Actual Installation Example



Fig 5. Actual Installation Example

* The 'AG03' display indicator based on the color coding of the World Health Organization. And this display indicator can be made to Customized for each order.

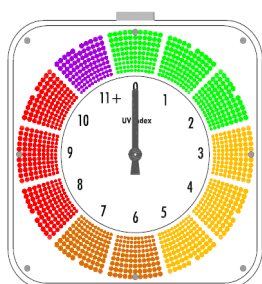


Fig 6. The basic display part design of the 'AG03'

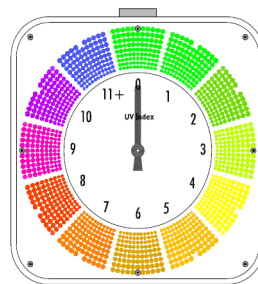


Fig 7. The Custom-made display part design of the 'AG03'

* We are able to supply the UV Index explanation panel , and can be print to custom text/graphics in the board , According to the national UV Index situation [MOQ: 5EA]

UV INDEX	0	1	2	3	4	5	6	7	8	9	10	11+
WHO	LOW			MODERATE			HIGH		VERY HIGH			EXTREME
EPA	MINIMAL			LOW		MODERATE		HIGH			VERY HIGH	
CANADA	LOW				MODERATE			HIGH		EXTREME		
PERU	MINIMAL			LOW			MODERATE			HIGH		
KOREA	MINIMAL			LOW		MODERATE		HIGH		VERY HIGH		

Fig 8. UV Index and Dangers of UV Exposure