

Outdoor UV Index Meter

GUVB-S11GS-AG03.4

Features

UVI display with solar cell panel (No need for additional power supply)

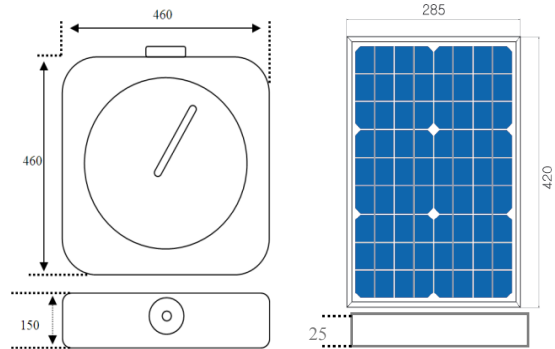
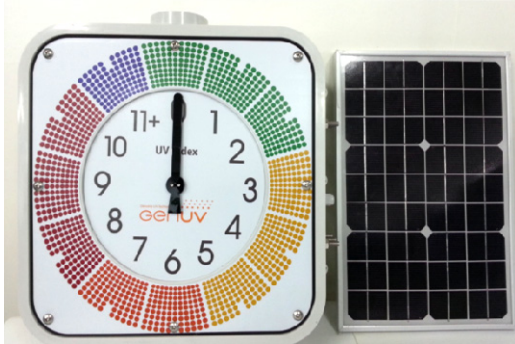
Material

Case : ABS

Cover : Acrylic

Physical Dimensions & Connection

[unit : mm]



Absolute Maximum Ratings

Fig 1. Physical Dimensions

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		11	kg	with Solar Pannel
Size	Indicator	460 × 460 × 150	mm ³	
	Solar Panel	285 × 420 × 25	mm ³	

Electrical Characteristic (at 25 °C)

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

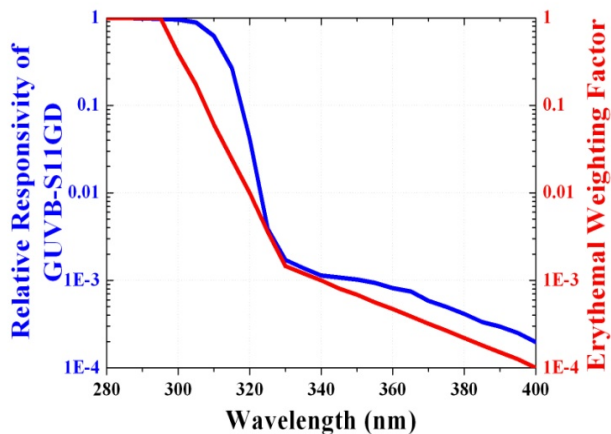


Fig 2. Relative Reaction Curve of UV Sensor

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).

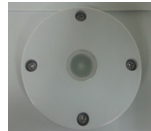
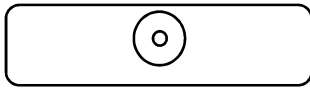
Fig 3. UV Index information

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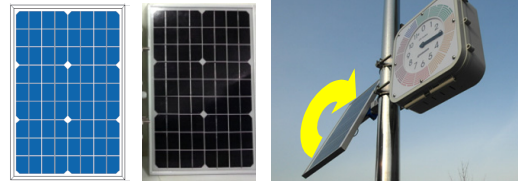
Cautions for installation

① UV Sensor Part



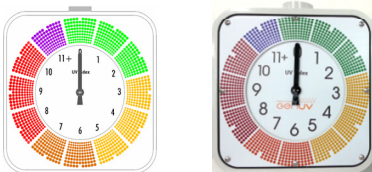
1. Do not install(locate) the Sensor Part in the shade of trees or buildings
2. Install (locate) the Sensor Part in

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 Indicator



1. Install to be visible for people

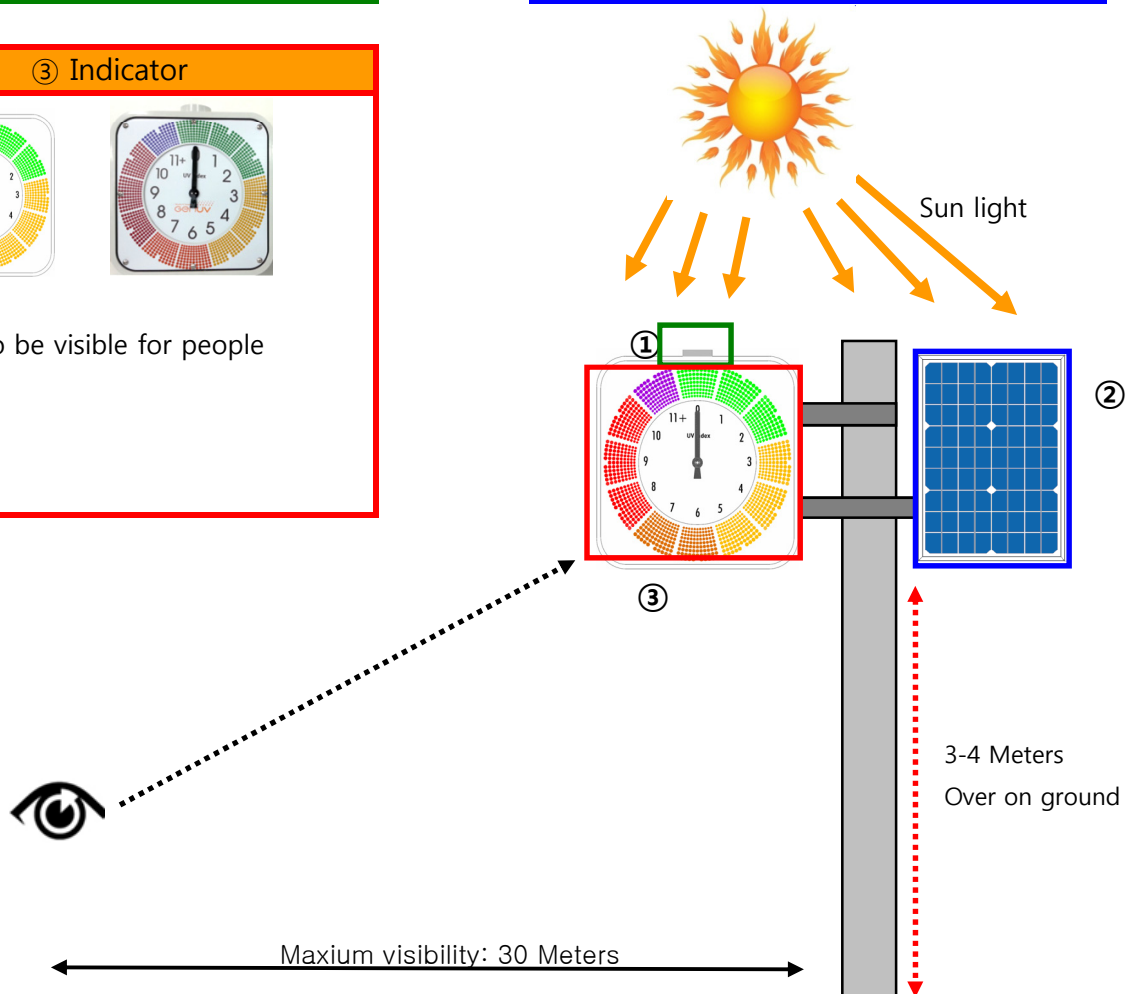


Fig 4. Installation Example

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Actual Installation Example

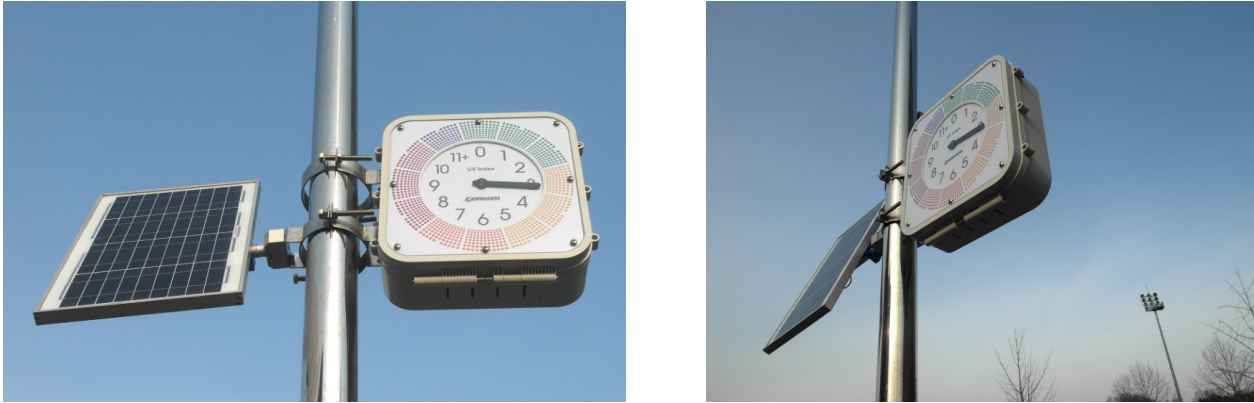


Fig 5. Actual Installation Example

* 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.

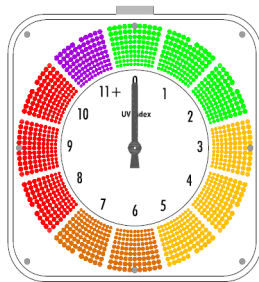


Fig 6. The basic display part design of the 'AG03.4'

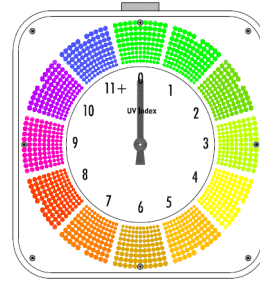


Fig 7. The Custom-made display part design of the 'AG03.4'

* 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

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* This UV Index explanation panel is an option. Therefore was not included in the unit price of the AG03.

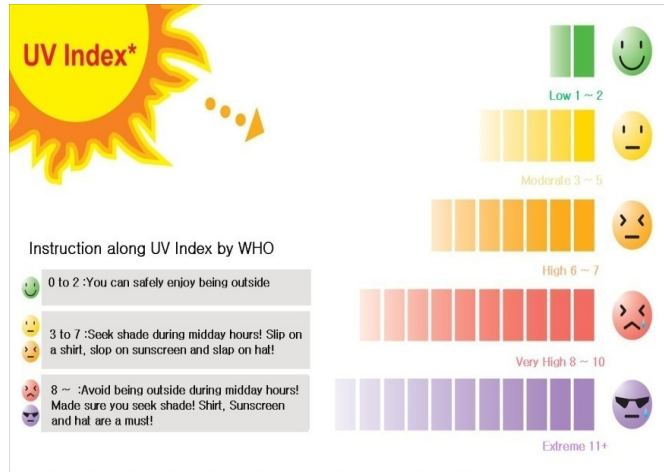


Fig 9. The design of UV Index explanation panel _ based on the color coding of the



Fig10 Installation Example

Ex: Public facilities, transportation facilities, Horizontal Furniture, Lighting facilities, Commercial signboard , Sculpture ... etc.