

# UV Sensor Probe

## GUVA-S12SC-3LWH3

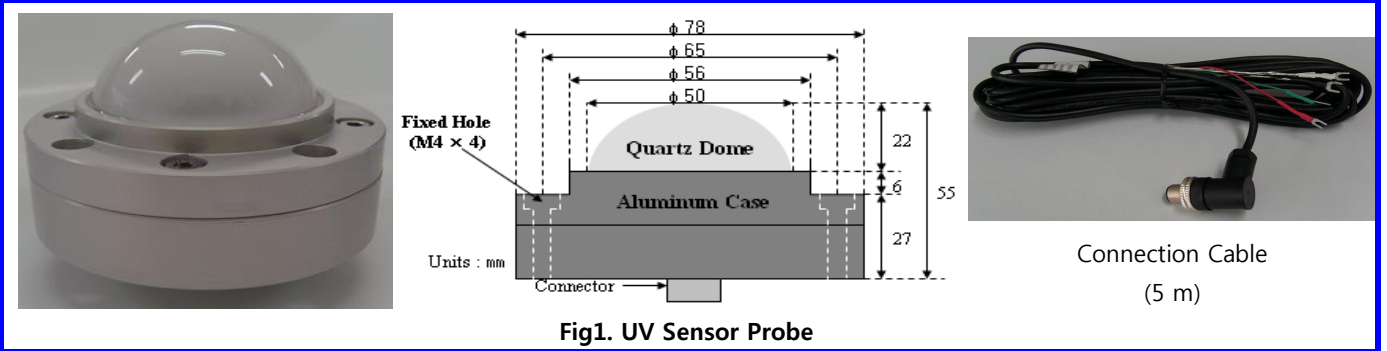


### Features

- Single Supply Voltage, Analog Voltage Output
- Measure the UV Power from Sunlight

### Applications

UV Power Monitoring of Sunlight



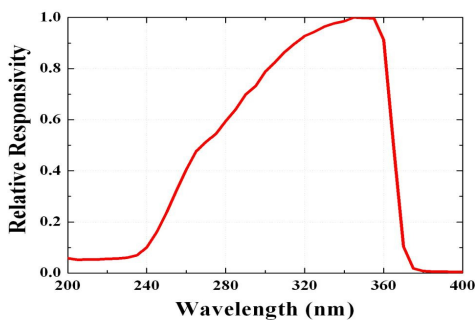
### Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	$T_{st}$	-40		90	°C	
Operating Temperature	$T_{op}$	-30		85	°C	

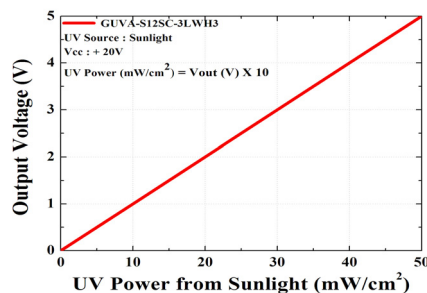
### Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	$V_{cc}$	9		24	V	Standard
		1.8		5.5	V	Low Power (Option)
Supply Current	$I_Q$		3.3		mA	
Spectral Detection Range	$\lambda$	240		370	nm	10% of Max.
Output Voltage	$V_{out}$		0.1		V	at 1 mW/cm <sup>2</sup>
Response Time	T		10		ms	

### Relative Responsivity



### Output Voltage along UV power



$$\text{UV Power (mW/cm}^2\text{)} = V_{out} \text{ (V)} \times 10$$