

UV Sensor Probe

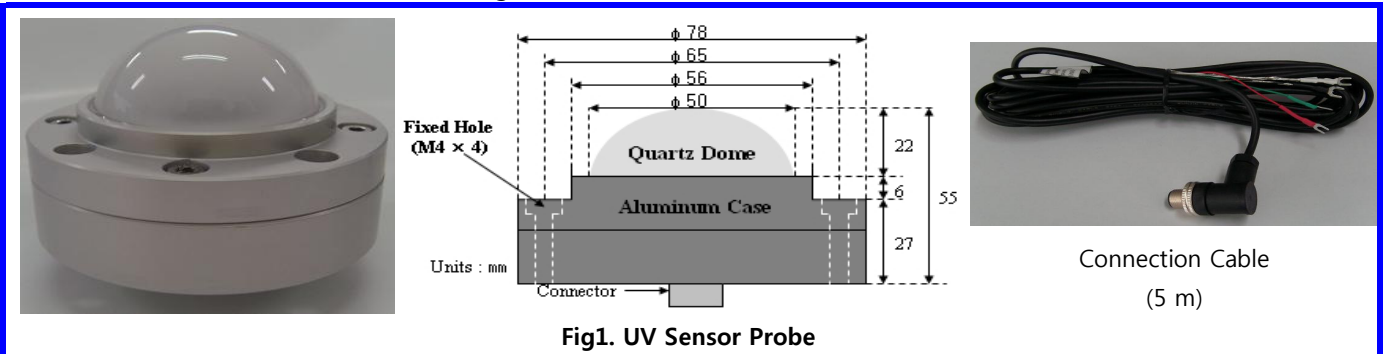
GUVB-S11SC-3LWH3

Features

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

Applications

UV Index Monitoring



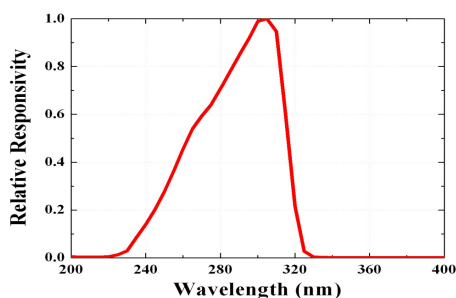
Absolute Maximum Ratings

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

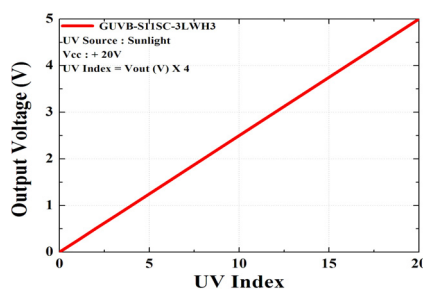
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V_{cc}	9		24	V	DC
		1.8		5.5	V	Low Power (Option)
Supply Current	I_Q		3.3		mA	
Spectral Detection Range	λ	280		400	nm	Erythema Weighting Factor
Output Voltage	V_{out}		0.25		V	at 1UVI
Response Time	T		10		ms	

Relative Responsivity



Output Voltage along UV Index



$$\text{UV Index (UVI)} = V_{out} (V) \times 4$$