

UV Sensor Probe

GUVV-T10GC-2LA2



Features

- Single Supply Voltage, Analog Voltage Output
- Air Environment

Applications

Total UV Power Monitoring

UV-A Lamp Monitoring

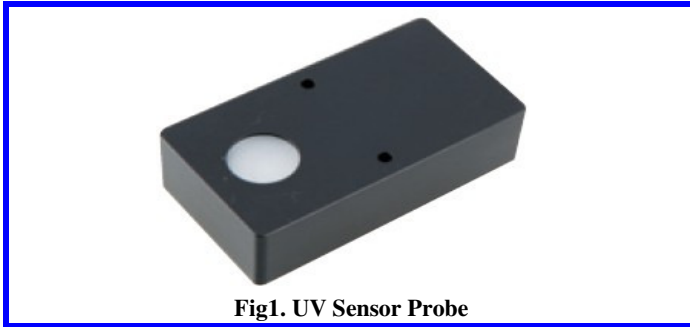


Fig1. UV Sensor Probe

Case dimensions

Size (W×L×H, mm ³)	55 × 30 × 16
Window (mm)	12
No. of fixed hole	2
hole to hole (mm)	22
Weight (g)	57
Cable Length (m)	5

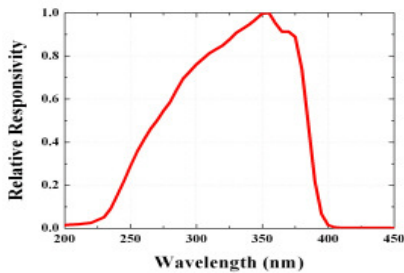
Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	T _{st}	-40		90	℃	
Operating Temperature	T _{op}	-30		85	℃	

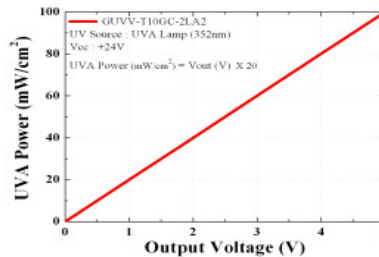
Electro-Optical Characteristics (at 25 ℃)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	6	24	26	V	DC
Supply Current	I _Q		3.3		mA	
Spectral Detection Range	λ	230		395	nm	10% of Max.
Output Voltage	V _{out}	0		5	V	
Detection Power Range	P	0		100	mW/cm ²	
Response Time	T		5		ms	

Relative Responsivity



Output Voltage along UV power



$$\begin{aligned} \text{UVA Power (mW/cm}^2\text{)} \\ &= \\ &\text{Vout (V)} \times 20 \end{aligned}$$

* Cover thread with teflon tape or ceramo paste before turning in. Please also use a sealing ring behind thread.