

UV Sensor Probe

GUVV-T11GC-3LO1



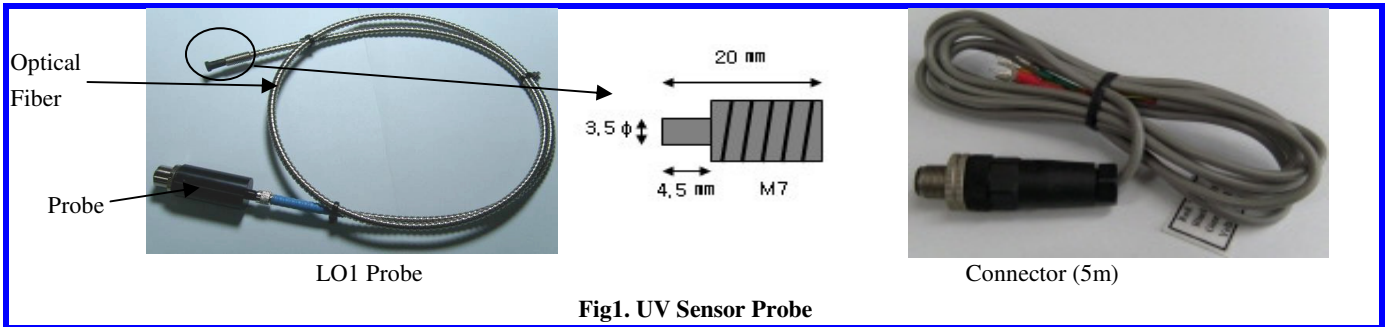
Features

- Single Supply Voltage, Analog Voltage Output
- High Temperature Environment (under 200 °C)

Applications

Total UV Power Monitoring

UV-A Lamp Monitoring



Case dimensions

Diameter (mm)	Length (mm)			Core Size (mm)	Cable Length (m)	Body
	Total	Body	Optical Fiber			
20	44.8	36.8	1000	1	5	Al-60

Absolute Maximum Ratings

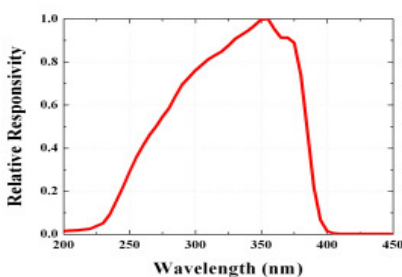
Parameter		Value			Unit	Remark
		Min.	Typ.	Max.		
Operating Temperature	Optical Fiber			200	°C	
	LO Probe	-30		85	°C	

Electro-Optical Characteristics (at 25 °C)

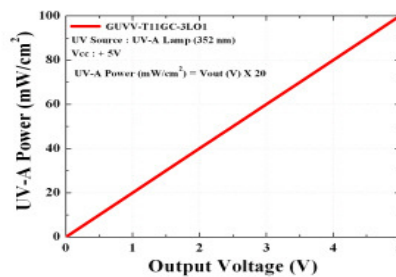
Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V_{cc}	6	24	26	V	DC
Supply Current	I_Q		3.3		mA	
Spectral Detection Range	λ	230		395	nm	10% of Max.
Output Voltage	V_{out}	0		5	V	
Detection Power Range	P	0		100	mW/cm ²	
Response Time	T		5		ms	

* Maximum of detection power : 100 mW/cm² (Standard), 1000 mW/cm² (Option)

Relative Responsivity



Output Voltage along UV power



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

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