

UV Sensor Probe

GVBL-T12GC-3LO1

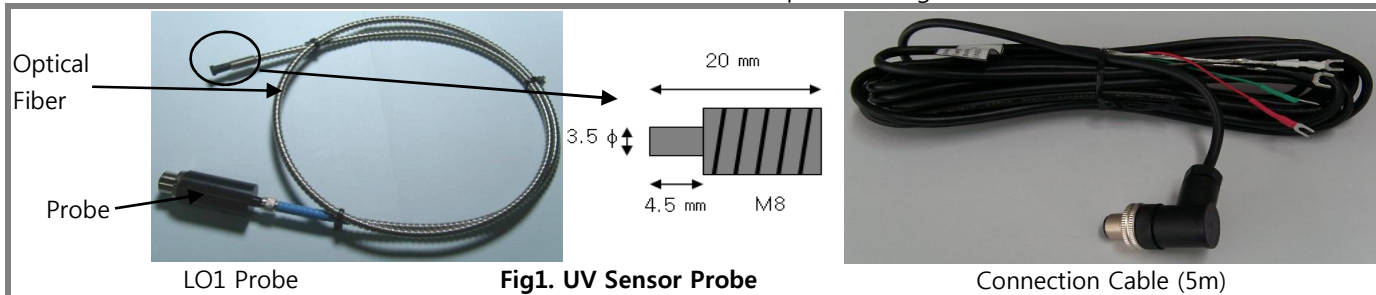
Features

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

Applications

UV Power Measure

UV Lamp Monitoring



Case dimensions

LO Probe (mm)		LO Probe Material	Optical Fiber		
Diameter	Total		Length (m)	Core (mm)	Material
20	56	Al-60	1	1	SUS 304

Absolute Maximum Ratings

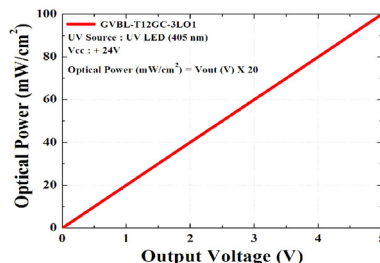
Parameter		Min.	Typ.	Max.	Unit	Remark
Operating Temperature	Optical Fiber			200	°C	
	LO Probe	-30		85	°C	

Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Supply Voltage	V_{CC}	9		24	VDC	
Supply Current	I_Q		3.3		mA	
Spectral Detection Range	λ	330		445	nm	
Output Voltage	V_{out}	0		5	V	
Detection Power Range	P	0		100	mW/cm ²	
Response Time	T		10		ms	

* maximum detection range : 100 mW / cm² (default), 1000 mW / cm² (optional)

Output Voltage along UV power



GVBL-T12GC-3LO1

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