Lateral UV Sensor Probe for Water

GUVS-T10EC-x[1)]LW360

Features 360° Lateral Light Detection / UVA/B/C Detection / Water Environment (<10 bar) / Single Supply Voltage / Optional Output Type (0-5 V or 4-20 ㎃)

Applications Measurement of Light Intensity in Multiple Light Sources / UV Lamp and LED Monitoring

Fig.1. LW360 probe

Fig.2. 5 m Standard cable (IP67, Max. 10 m)

Color	Terminal	Remark
Red	V_{cc}	DC 5 V or 24 V
Balck	GND	
Green	V_{out} / I_{out}	DC 0 ~ 5 V or 4 ~ 20 ㎃
White	GND	

Case Dimensions

Thread/Length for Mounting	Diameter (㎜)	Window (㎜)	Wrench Size (㎜)	Length (㎜)	Weight (g)	Body Material (stainless steel)
PT3/4" / 15 mm	32	O.D. 18	28	103	220.3	316-L (1.4404)

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

Absolute Maximum Ratings

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

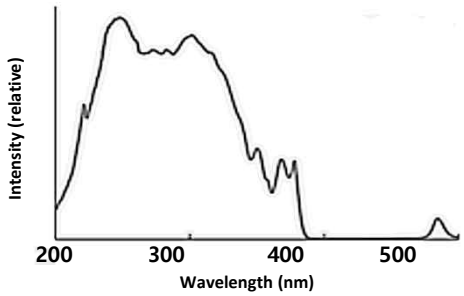
Electro-Optical Characteristics (at 25 ℃)

Parameter		Symbol	Value			Unit	Remark
			Min.	Typ.	Max.		
Supply Voltage		V_{cc}		5		V_{DC}	3
			9		24		3 / I8
Supply Current		I_Q		3.3		㎃	3
				20			I8
Detection Wavelength Range		λ	220		390	㎚	최대값의 10%
Output	Voltage	V_{out}	0		5	V	3
	Current	I_{out}	4		20	㎃	I8
Detection Power Range		P	0		100	㎽/㎠	*Standard
Response Time		T		10		㎳	

* Order production abailable (20, 50, 500㎽/㎠ etc)

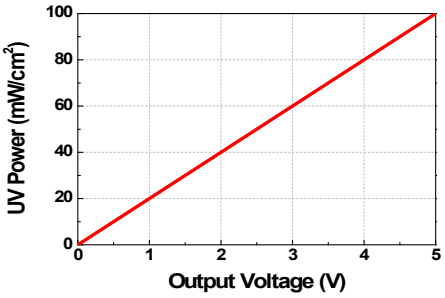
1) Output Type (3 : Voltage, I8 : Current)

Input Spectrum



UV Power along Output Type

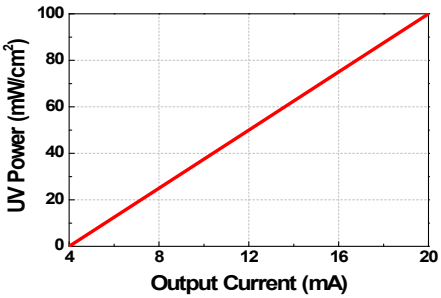
- Voltage



GUVx-T1xGC-3LW10

UV Power (mW/cm^2) = V_{out} (V) × 20

- Current



GUVx-T1xGC-I8LW10

UV Power (mW/cm^2) = [I_{out} (mA)-4] × 6.25