Proximity UV Sensor Probe for Water

GUVx[1]-T1x[2]GC-I4LW8.2

Genuine UV Technology GenUV

Features Water Environment (<10 bar) / Proximity to light source
Single Supply Voltage / 4-20 ㎃ Current Output

Applications UV Power Measure UV Lamp and LED Monitoring

Fig.1. LW8.2 probe

Color	Terminal	Remark
Red	V_{cc}	9 ~ 24 V
Black	GND	
Green	I_{out}	DC 4 ~ 20 ㎃
White	GND	

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

Case Dimensions

Thread/Length for Mounting	Diameter (㎜)	Window (㎜)	Wrench Size (㎜)	Length (㎜)	Weight (g)	Body Material (stainless steel)
NPT1/2" / 12 mm	14	6	20	67	72	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	℃	

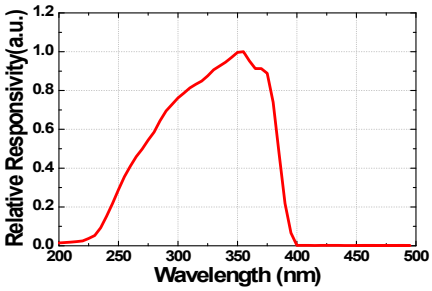
Electro-Optical Characteristics (at 25 ℃)

Parameter		Symbol	Value			Unit	Remark
			Min.	Typ.	Max.		
Supply Voltage		V_{cc}	9		24	V_{DC}	
Supply Current		I_Q		20		㎃	
Detection Range	GUVV-T11GC-I4LW8.2	λ	230		395	㎚	10% of Max.
	GUVA-T13GC-I4LW8.2		220		370		
	GUVB-T12GC-I4LW8.2		220		320		
	GUVC-T11GC-I4LW8.2		220		280		
	GUVCL-T11GC-I4LW8.2		220		320		
	GVBL-T13GC-I4LW8.2		320		445		
	GVGR-T11GC-I4LW8.2		300		510		
Output	Current	I_{out}	4		20	㎃	
Detection Power Range		P	0		100	㎽/㎠	*Standard
Response Time		T		10		㎳	

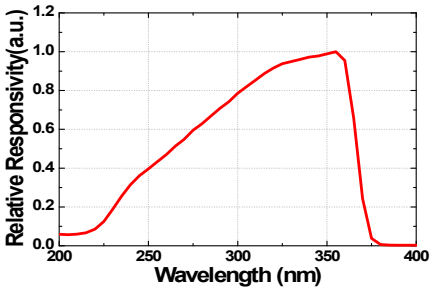
* Order production abailable (20, 50, 500㎽/㎠ etc)

1) Detection range(GUVx-UV, GVxx-Visible)
2) Serial No. of sensor

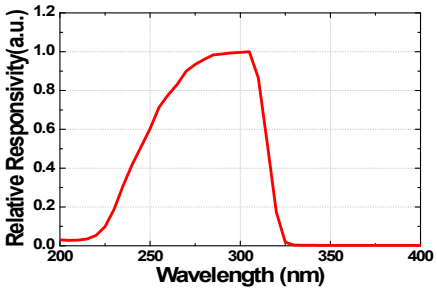
Relative Responsivity Curve



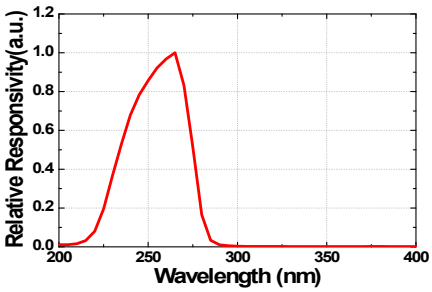
1) GUVV-T11GC-I4LW8.2



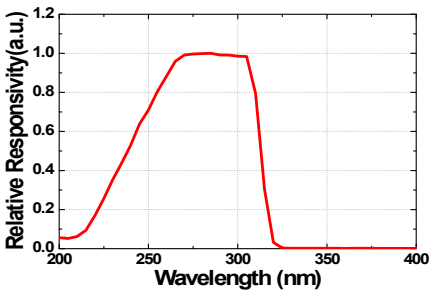
2) GUVA-T13GC-I4LW8.2



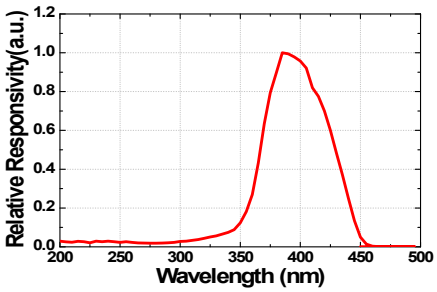
3) GUVB-T12GC-I4LW8.2



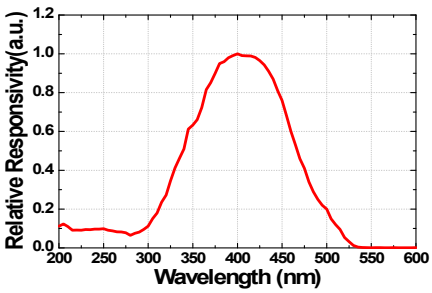
4) GUVC-T11GC-I4LW8.2



5) GUVCL-T11GC-I4LW8.2

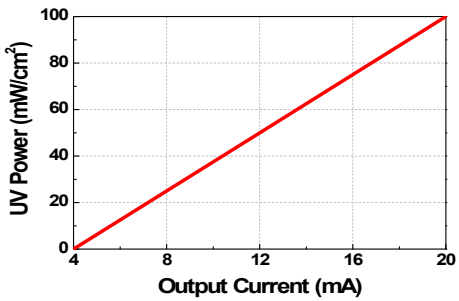


6) GVBL-T13GC-I4LW8.2



7) GVGR-T11GC-I4LW8.2

UV Power along Output Current



GUVx-T1xGC-I4LW8.2

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