

<Preliminary Version>

Water Resistance UV Sensor Probe

GUVx¹⁾-T1x²⁾GC-LP

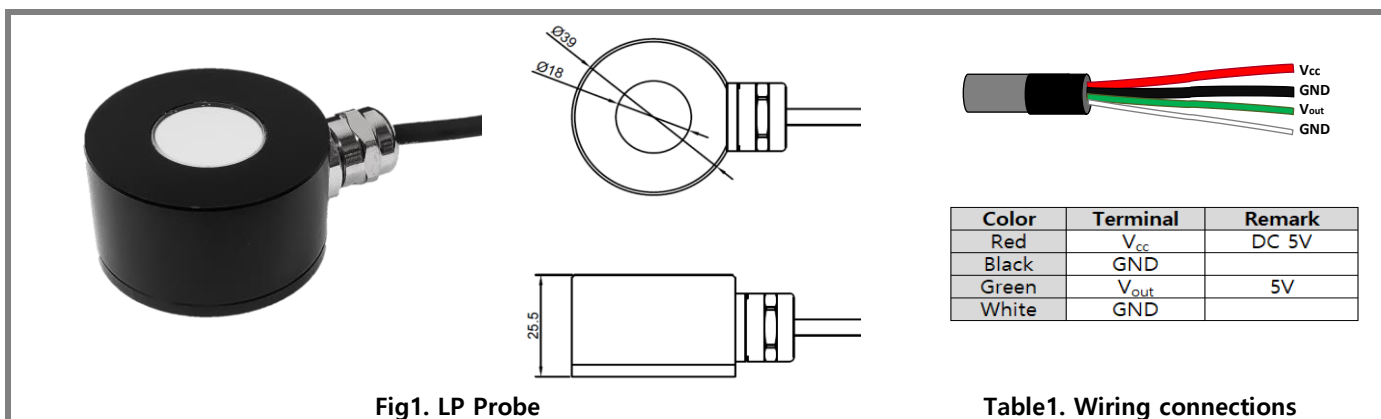


Features

- Water Resistance, Single Supply Voltage, 0-5V Voltage Output, IP65

Applications

UV Lamp Monitoring, Outdoor UV Probe



Case Dimensions

Parameter	Size (mm)	Window (mm)	Material	Weight (g)
Dimensions	Ø39, H25.5	18	AL-60	56(Only case)

Absolute Maximum Ratings

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

Electro-Optical Characteristics (at 25 °C)

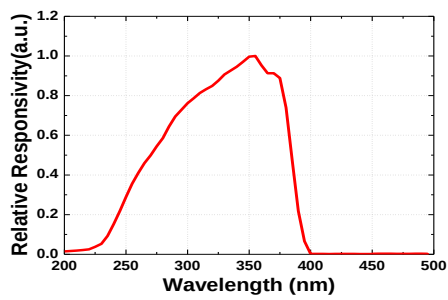
Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}		5		V	
Supply Current	I _Q		0.05		mA	
Detection Range	GUVV-T10GC-LP	230		395	nm	10% of Max.
	GUVA-T11GC-LP	220		370		
	GUVB-T11GC-LP	220		320		
	GUVC-T10GC-LP	220		280		
	GUVL-T10GC-LP	220		320		
	GVBL-T12GC-LP	320		445		
	GVGR-T10GC-LP	300		510		
Output	Voltage	V _{out}	0	5	V	
Detection Power Range		P	0	100	mW/cm ²	*Standard
Response Time		T	10		ms	

1) Detection range(GUVx-UV, GVxx-Visible)

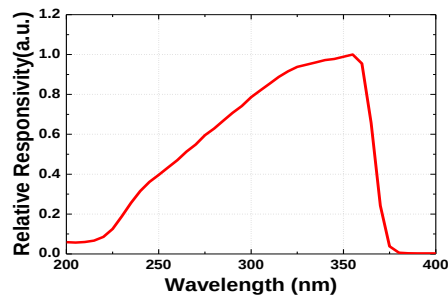
2) Serial No. of sensor

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

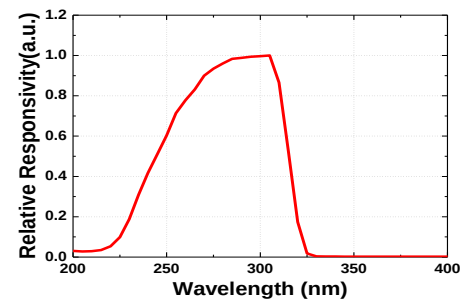
Responsivity Curve



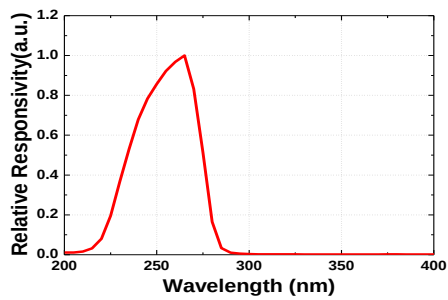
1) GUVV-T10GC-LP



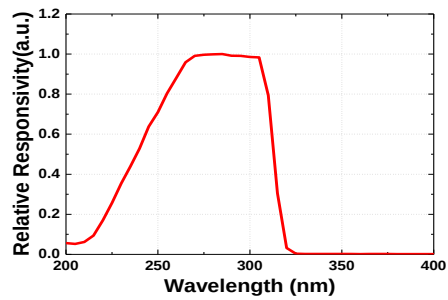
2) GUVV-T11GC-LP



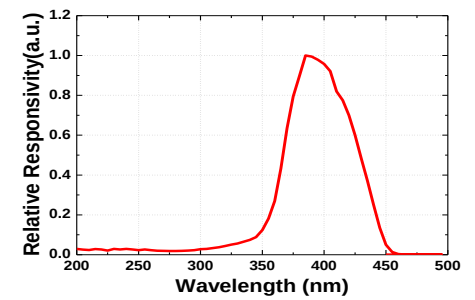
3) GUVB-T11GC-LP



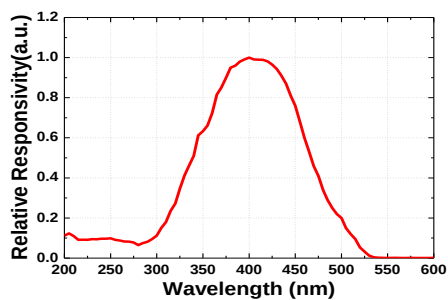
4) GUVV-T10GC-LP



5) GUVL-T10GC-LP

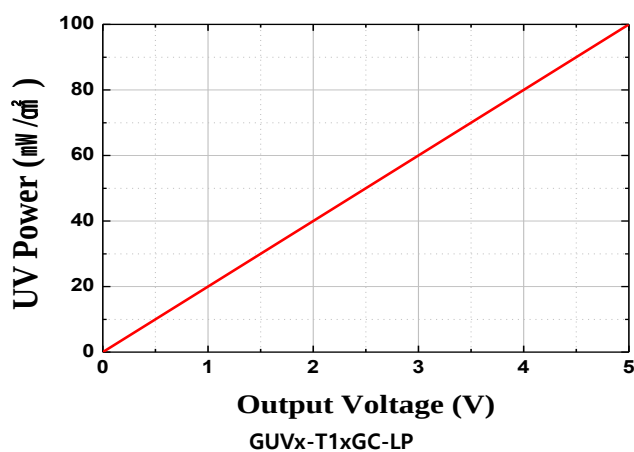


6) GVBL-T12GC-LP



7) GVGR-T10GC-LP

UV Power along Output Voltage



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

Field of View

