

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

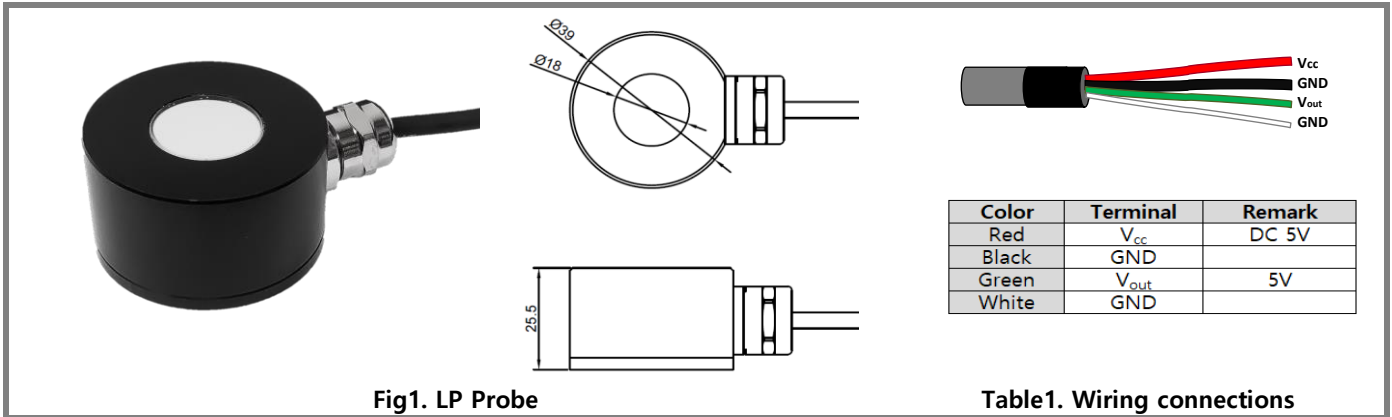


Fig1. LP Probe

Table1. Wiring connections

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)

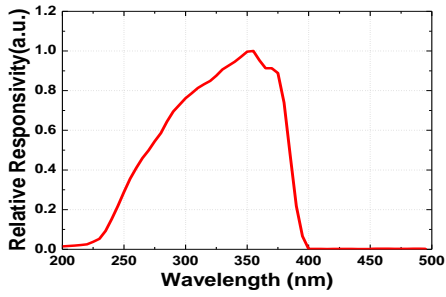
Parameter	Symbol	Value			Unit	Remark	
		Min.	Typ.	Max.			
Supply Voltage	V _{cc}		5		V		
Supply Current	I _Q		0.05		mA		
Detection Range	GUVV-T10GC-LP	λ	230		395	nm	10% of Max.
	GUVA-T11GC-LP		220		370		
	GUVB-T11GC-LP		220		320		
	GUVC-T10GC-LP		220		280		
	GUVL-T10GC-LP		220		320		
	GVBL-T12GC-LP		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)

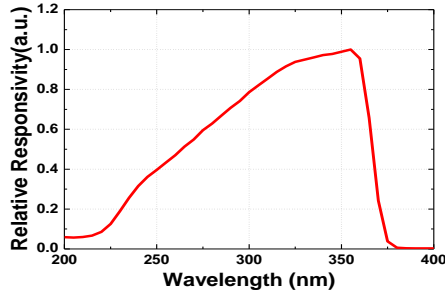
2) Serial No. of sensor

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

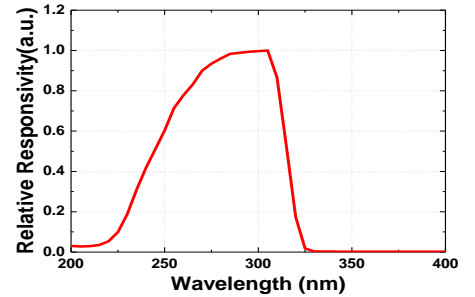
Responsivity Curve



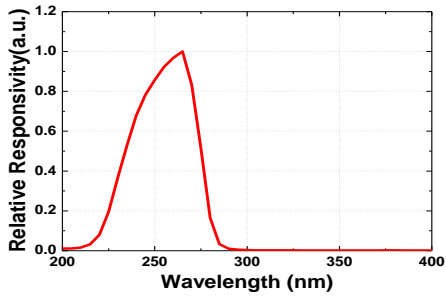
1) GUVV-T10GC-LP



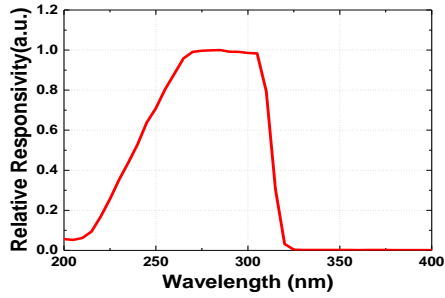
2) GUYA-T11GC-LP



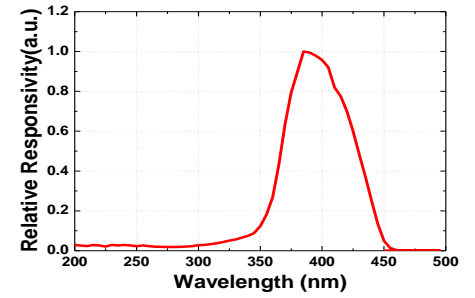
3) GUVB-T11GC-LP



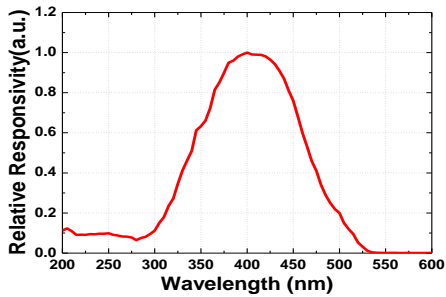
4) GUVV-T10GC-LP



5) GUVL-T10GC-LP

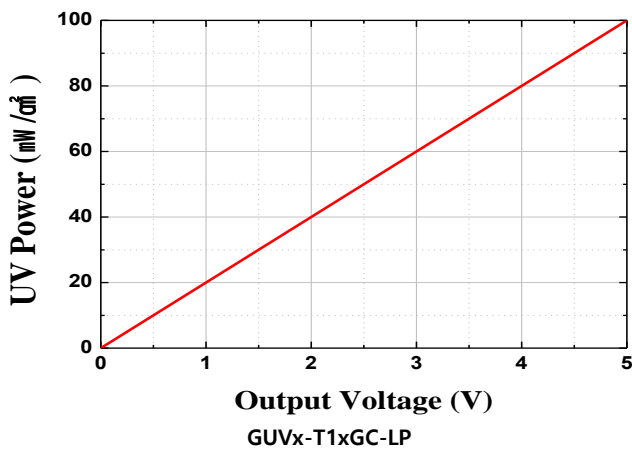


6) GVBL-T12GC-LP



7) GVGR-T10GC-LP

UV Power along Output Voltage



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

Field of View

