

Separable Cable UV Sensor Probe

GUV^{x1}-T1XGC-LA5-24

(Supply Voltage: 9-24V, Voltage Output)



Option : x¹ : Select Detection Range

Features

- Air Environment, Single Supply Voltage, Analog Voltage Output, Separable Cable(Molex connector)

Applications

UV Lamp Monitoring

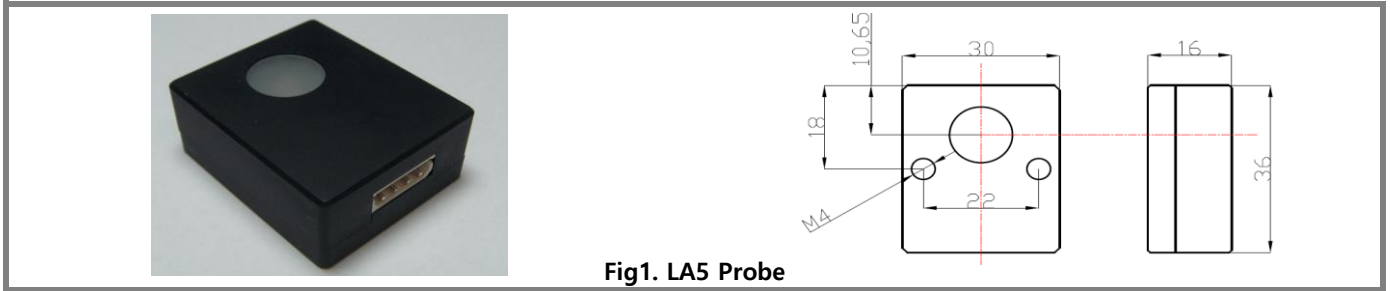


Fig1. LA5 Probe

Case Dimensions

Parameter	Size (mm)	Window (mm)	No. of fixed hole	hole to hole (mm)	Weight (g)
Dimensions	36 × 30 × 16	12	2	22	40

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	

Detection Range(Option)

Parameter	Product	Symbol	Value	Unit	Remark
Detection Range	UV	GUVV-T10GC-LA5-24	230 ~ 395	nm	10% of Max.
		GUVA-T11GC-LA5-24	220 ~ 370		
		GUVB-T11GC-LA5-24	220 ~ 320		
		GUVC-T10GC-LA5-24	220 ~ 280		
		GUVL-T10GC-LA5-24	220 ~ 320		
	Visible	GVBL-T12GC-LA5-24	220 ~ 445		
		GVGR-T10GC-LA5-24	300 ~ 510		

*Refer to page 2 for responsivity curve

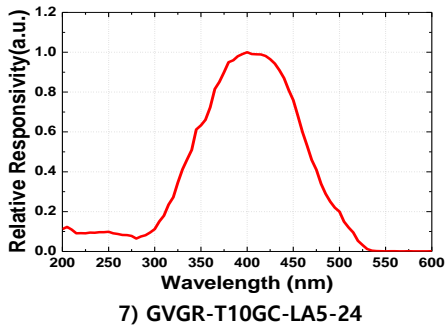
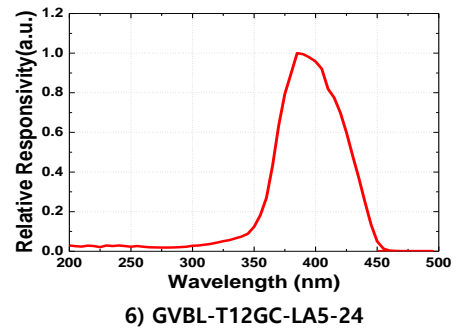
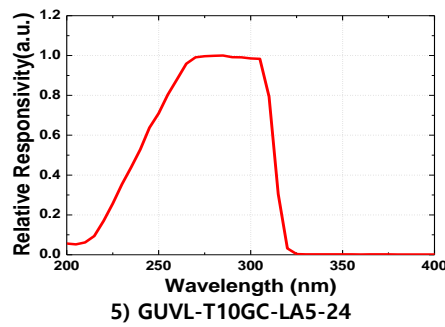
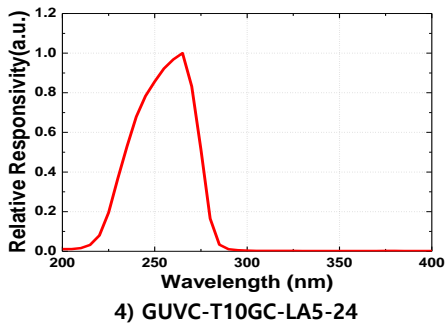
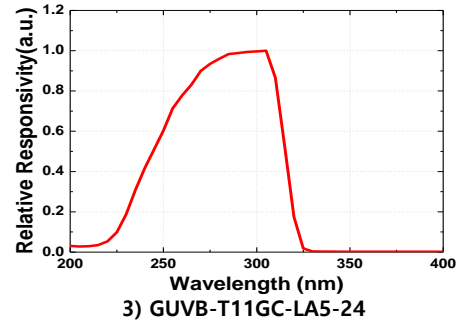
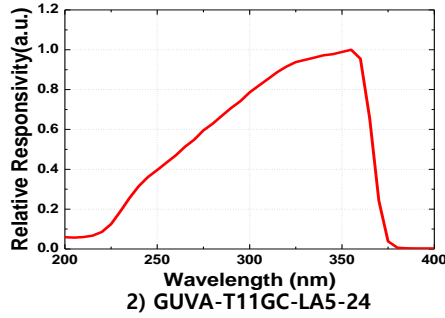
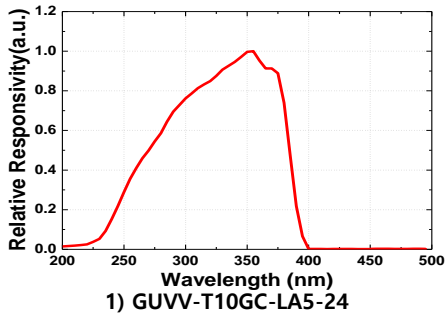
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	9		24	V	
Supply Current	I _Q		0.05		mA	
Output Voltage	V _{out}	0		5	V	
Detection Power Range	P	0		100	mW/cm ²	*Standard
Response Time	T		10		ms	

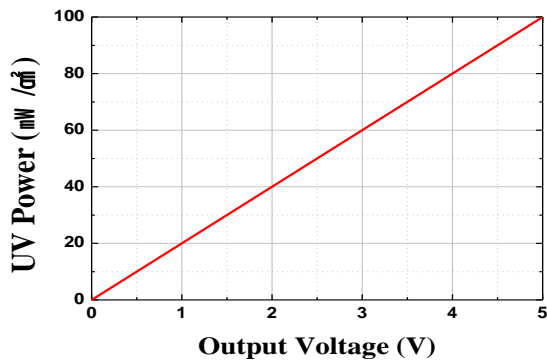
X¹ : Detection Range(GUVx-UV, GVxx-Visible)

* Order production available (20, 50, 500mW/cm² etc), Please fill out the detection power range you want when ordering

Responsivity Curve



UV Power along Output Voltage



GUVx-T1xGC-LA5-24

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

Wiring connections



Color	Terminal	Remark
Red	V _{cc}	DC 9 -24V
Black	GND	
Green	V _{out}	0 ~ 5V
White	GND	

Black and White lines (GND) are connect to the internal Sensor probe.