UV Sensor Probe

GUVx[1]-T1x[2]GC-x[3]LW5.1

Genuine UV Technology

GENUV

Features
- Water Environment (<10 bar), Single DC Supply Voltage, 0-5V Voltage or 4-20㎃ Current Output

Applications
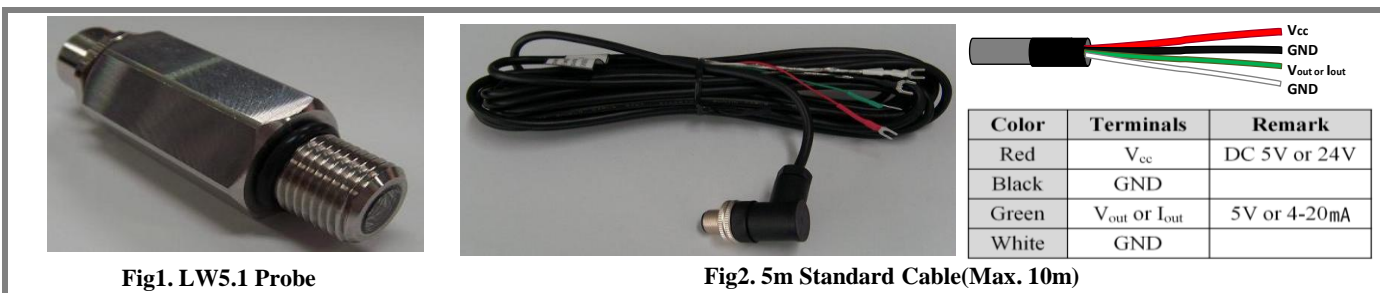UV Power Measure, UV Lamp Monitoring

Fig1. LW5.1 Probe

Fig2. 5m Standard Cable(Max. 10m)

Color	Terminals	Remark
Red	V_{cc}	DC 5V or 24V
Black	GND	
Green	V_{out} or I_{out}	5V or 4-20㎃
White	GND	

Case Dimensions

Thread/Length for Mounting	Diameter (㎜)	Window (㎜)	Wrench Size (㎜)	Length (㎜)	Weight (g)	Body (stainless steel)
FT1/4 "(8A FT) /12 ㎜	21	7	19	63	67	316-L (1.4404)

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 ℃)

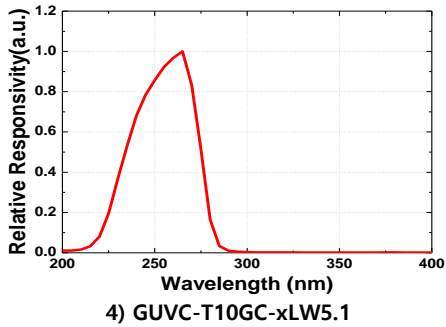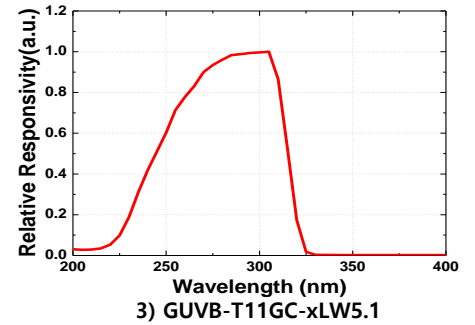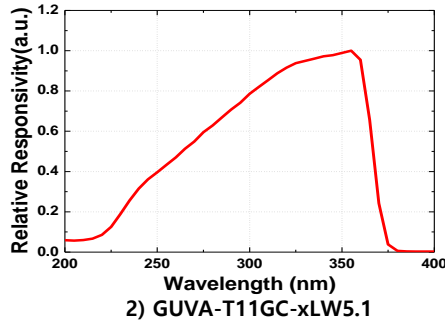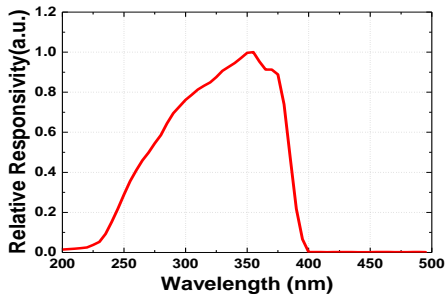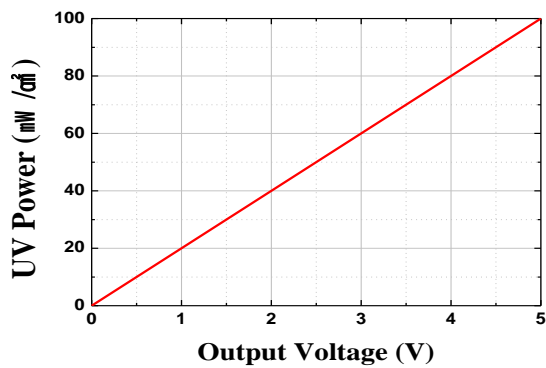| Parameter		Symbol	Value			Unit	Remark
			Min.	Typ.	Max.		
Supply Voltage		V_{cc}		5		V	3
			9		24		3 or I8
Supply Current		I_Q		3.3		mA	3
Offset Current		I_{off}	3.9	4	4.1		I8
Detection Range	GUVV-T11GC-xLW5.1	λ	230		395	nm	10% of Max.
	GUVA-T13GC-xLW5.1		220		370		
	GUVB-T12GC-xLW5.1		220		320		
	GUVC-T11GC-xLW5.1		220		280		
	GUVL-T12GC-xLW5.1		220		320		
	GVBL-T13GC-xLW5.1		320		445		
	GVGR-T11GC-xLW5.1		300		510		
Output Voltage		V_{out}	0		5	V	3
Output Current		I_{out}	4		20	mA	I8
Detection Power Range		P	0		100	㎽/㎠	*Standard
Response Time		T		10		㎳	

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

2) Serial No. of sensor

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

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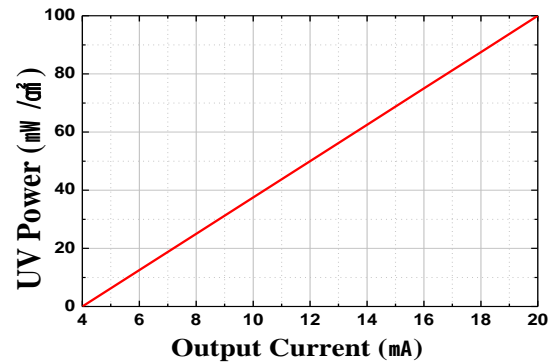
Responsivity Curve

1) GUVV-T10GC-xLW5.1

2) GUVA-T11GC-xLW5.1

3) GUVB-T11GC-xLW5.1

4) GUVC-T10GC-xLW5.1

5) GUVL-T10GC-xLW5.1

6) GVBL-T12GC-xLW5.1

7) GVGR-T10GC-xLW5.1
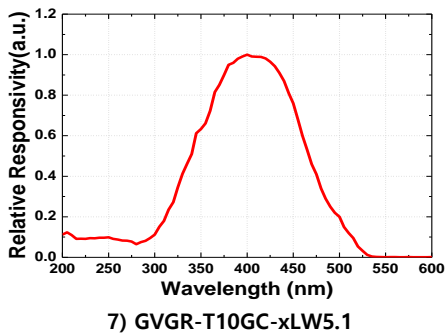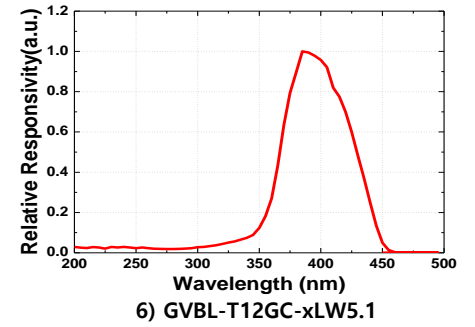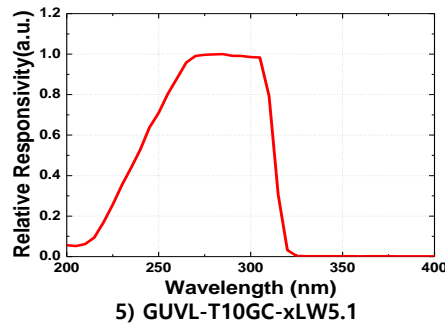
UV Power along Output Voltage

GUVx-T1xGC-xLW5.1

UV Power (mW/㎠) = Vout (V) × 20

UV Power along Output Current

GUVx-T1xGC-xLW5.1

UV Power (mW/㎠) = [Iout (mA)-4] × 6.25

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