

Water Treatment Tube Insertion Type LW PROBE

GUVx¹⁾-T1x²⁾GC-ILW8.5



Features

- Water Environment (<10 bar), Single DC Supply Voltage, 4-20mA Current Output

Applications

UV Power Measure, UV Lamp Monitoring, UV water treatment

Aquafine 015538-00XCERT (UV Sterilization Water Treatment System UVI Sensor) Replacement.

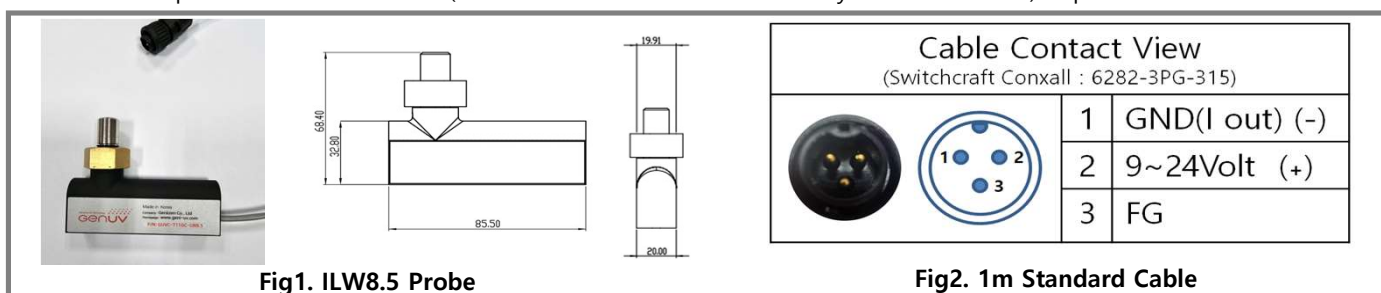


Fig1. ILW8.5 Probe

Fig2. 1m Standard Cable

Case Dimensions

Hexagon Nut Thread/Inner Diameter (NUT)	Diameter (mm)	Window (mm)	Height (mm)	Length (mm)	Weight (g)	Body (stainless steel, Aluminum)
Nut Pitch 18G 5/16" Inner Diameter of Nut : 20mm	13	7	68.4	85.5	160	SUS 316-L, AL-60

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)

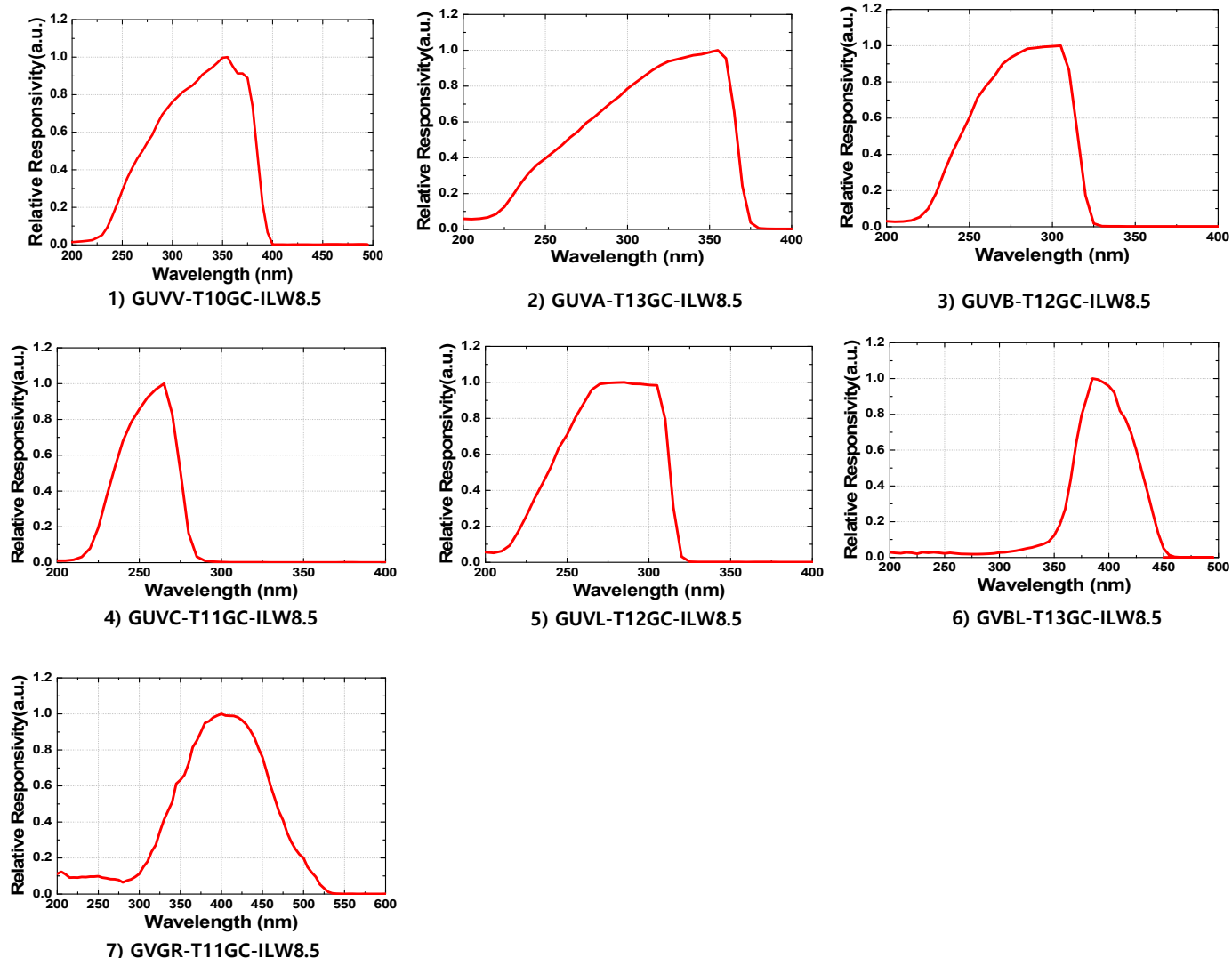
Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	9		24	V	
Offset Current	I _{off}	3.9	4	4.1	mA	
Detection Range	GUVV-T10GC-ILW8.5	230		395	nm	10% of Max.
	GUVA-T13GC-ILW8.5	220		370		
	GUVB-T12GC-ILW8.5	220		320		
	GUVV-T11GC-ILW8.5	220		280		
	GUVL-T12GC-ILW8.5	220		320		
	GVBL-T13GC-ILW8.5	320		445		
	GVGR-T11GC-ILW8.5	300		510		
Output Current	I _{out}	4		20	mA	
Detection Power Range	P	0		100	mW/cm ²	*Standard
Response Time	T		10		ms	

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

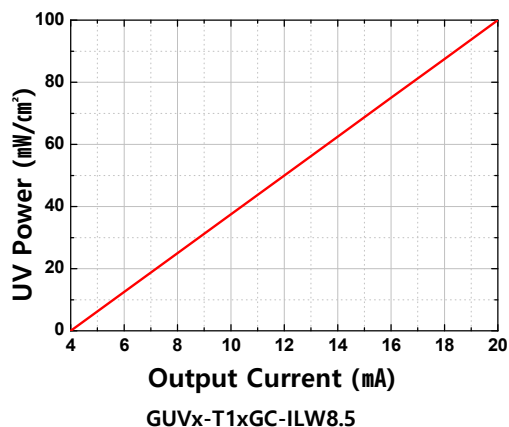
2) Manufacturing No. of sensor

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

Responsivity Curve



UV Power along Output Current



$$\text{UV Power (mW/cm}^2\text{)} = [\text{Iout (mA)} - 4] \times 6.25$$

※ Extension Cable(Option): 8282-3SG-315 Connector & Cable



Aquafine Y Cable - #260134 Replaceable & Customizable(10m, 20m, 30m etc.)
 ※ Please order the extension cable separately.

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