



## UV Sensor Probe

Model: WP-UVx-G1/2-1y

### General features:

- Water-resistant probe
- Single power supply
- Analog 0-5 V or 4-20 mA output
- High sensitivity and proven reliability



**Applications:** UV lamp monitoring, UV power measurement for waste/ballast water sterilization, UV curing process control, UV phototherapy monitoring

### Specifications:

General parameters				
Dimensions	Window diameter (mm)	Weight (g)	Case material	
See drawing below	11	95	316L	
Parameters	Symbol	Value	Unit	Remark
Maximum ratings				
Operation temperature	$T_{opt}$	-30-85	°C	
Storage temperature	$T_{sto}$	-40-90	°C	
Water resistance	$p$	>10	bar	entrance window side
Electro-optical characteristics (25 °C)				
Supply voltage	$V_{cc}$	9-24	V	DC
Output signal	$I_{out}$	4-20	mA	2 wire circuit (WP-UVx-G1/2-11)
				3 wire circuit (WP-UVx-G1/2-12)
	$V_{out}$	0-5	V	3 wire circuit (WP-UVx-G1/2-13)
Detection wavelength range <sup>1</sup>	$\lambda$	220-280	nm	WP-UVC-G1/2-1y
		220-325		WP-UVB-G1/2-1y
		220-370		WP-UVA-G1/2-1y
		290-440		WP-UVV-G1/2-1y
UV power intensity measurement range	$P$	0-200	mW/cm <sup>2</sup>	See other options <sup>2</sup>
Connection				
Circular connector	5 mm male connector with 5 pins			
Cable (optional)	2 m cable with 5 mm female connector (cable length can be customized)			

<sup>1</sup> UVA, UVB, UVC, UVV and full UV band are all available upon request.

<sup>2</sup> UV power intensity measurement range: 0-200 mW/cm<sup>2</sup> (standard), 0-1 W/cm<sup>2</sup> (option), 0-10 W/cm<sup>2</sup> (option), 0-40 W/cm<sup>2</sup> (option).

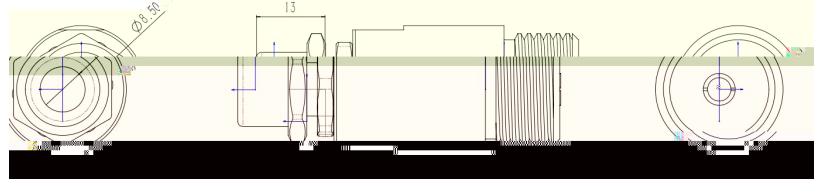


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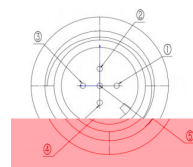
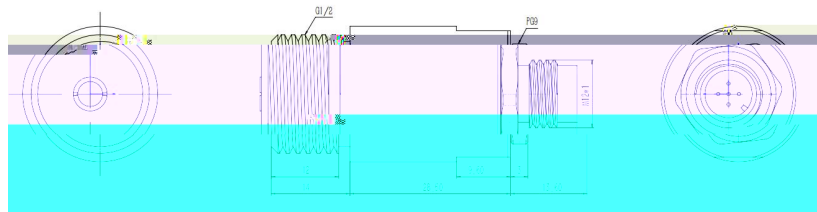
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### Drawing (unit: mm)

Cable:



Circular connector:



connector view  
5 pin M 12×1  
RSFM5

5-pin analog plug:

pin 1= $V_{cc}$ , pin 2=null,  
pin 3= $I_{out}/V_{out}$ , pin 4=GND/null,  
pin 5=null

### Touchscreen UV radiometer (optional)

- Fully compatible with all GaNo Opto's UV sensor probes
- Real time display of UV power density, UV source accumulated service time and UV source output efficiency
- System settings for UV output calibration, timer reset, operation status cartoon, threshold of failure alarm and initial 100% output efficiency normalization
- One channel input and 24 V power supply
- Customized Chinese and English versions



### Lite-edition UV radiometer (optional)

- Fully compatible with all GaNo Opto's UV sensor probes
- 5 digital real time display of UV power density
- Pre-calibration or re-calibration for specific UV light source upon request
- Optional RS-485 or relay output
- One channel input and 9-24 V power supply

