



## UV Sensor Probe

Model: WP-UVx-F1/2-1y

### General features:

- sapphire window with wide field of view
- 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  | 130        | 316L               |                                 |
| Parameters                              | Symbol  | Value      | Unit               | Remark                          |
| Maximum ratings                         |   |            |                    |                                 |
| Operation temperature                   | $T_{opt}$   | -30-85     | °C                 |                                 |
| Storage temperature                     | $T_{sto}$   | -40-90     | °C                 |                                 |
| 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-F1/2-11) |
|   |   |            |                    | 3 wire circuit (WP-UVx-F1/2-12) |
|   | $V_{out}$   | 0-5        | V                  | 3 wire circuit (WP-UVx-F1/2-13) |
| Detection wavelength range <sup>1</sup> | $\lambda$   | 220-280    | nm                 | WP-UVC-F1/2-1y                  |
|   |   | 220-325    |                    | WP-UVB-F1/2-1y                  |
|   |   | 220-370    |                    | WP-UVA-F1/2-1y                  |
|   |   | 290-440    |                    | WP-UVV-F1/2-1y                  |
| 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).

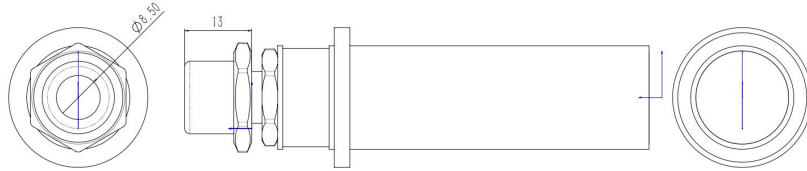


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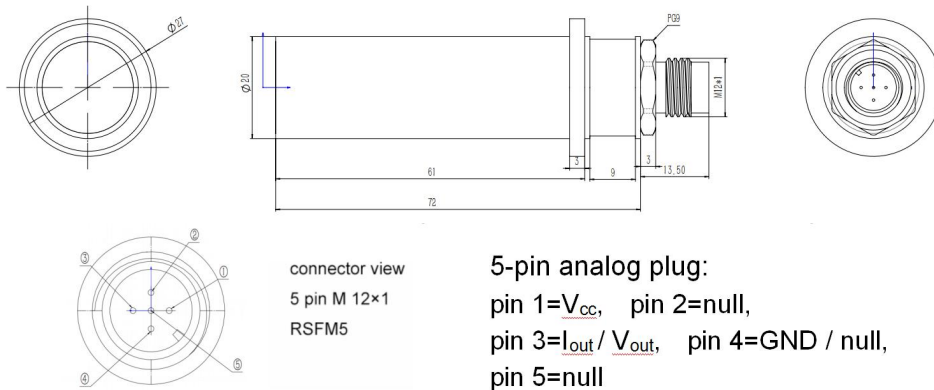
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### Drawing (unit: mm)

Cable:



Circular connector:



### 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

