



# UV Sensor Probe

Model: WP-UVx-G3/4-1y

## General features:

- Water-resistant probe with sapphire window
- 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:

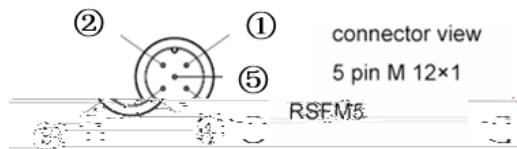
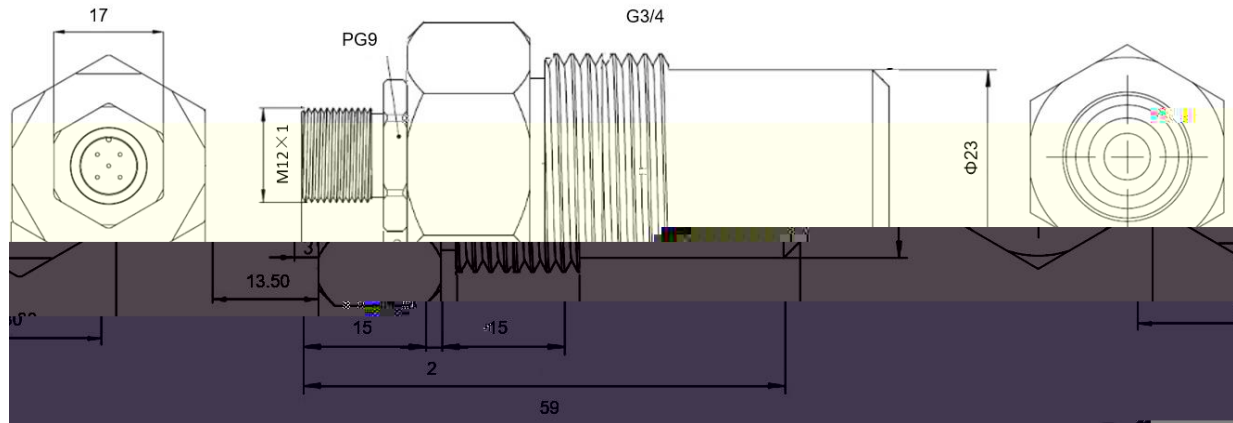
| General parameters                      |                      |            |               |                                    |
|---|----------------------|------------|---------------|------------------------------------|
| Dimensions                              | Window diameter (mm) | Weight (g) | Case material |                                    |
| See drawing below                       | 8                    | 200        | 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<br>(WP-UVx-G3/4-11) |
|   |                      |            |               | 3 wire circuit<br>(WP-UVx-G3/4-12) |
|   | $V_{out}$            | 0-5        | V             | 3 wire circuit<br>(WP-UVx-G3/4-13) |
| Detection wavelength                    |                      | 220-280    |               | WP-UVC-G3/4-1y                     |
|   |                      | 220-325    |               |                                    |



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Drawing (unit: mm)



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

