



High Sensitivity UV Sensor Module

Model: HSP-UVx-1y

General features:

- Sturdy metal case with sapphire window
- Single power supply and low power consumption
- Analog 0-5 V or 4-20 mA output
- High sensitivity and proved reliability
- Optional solar-blind sensor with high rejection ratio



Applications: weak UV light detection, arc detection, corona discharge detection, bio-chemical UV detection, flame detection

Specifications:

General parameters				
Dimensions	Window diameter (mm)	Weight (g)	Case material	
See drawing below	5	105	Al	
Parameters	Symbol	Value	Unit	Remark
Maximum ratings				
Operation temperature	T _{op}	-20-65	°C	
Storage temperature	T _{sp}	-30-85	°C	
Electro-optical characteristics (25 °C)				
Supply voltage	V _{cc}	7-24	V	DC
Output signal	I _{out}	4-20	mA	2 wire circuit (HSP-UVx-11) 3 wire circuit (HSP-UVx-12)
	V _{out}	0-5	V	3 wire circuit (HSP-UVx-13)
Detection wavelength range ¹	λ	220-280	nm	HSP-UVC-1y ²
		220-325		HSP-UVB-1y
		220-370		HSP-UVA-1y
		290-440		HSP-UVV-1y
UV power intensity measurement range	P	0-10	μW/cm ²	See other options ³
Connection				
Cable length ⁴	2 m			

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

² Additional UVC optical filter is available for enhanced solar blindness.

³ UV power intensity measurement range: 0-10 μW/cm² (standard), 0-1 μW/cm² (option), 0-100 μW/cm² (option)

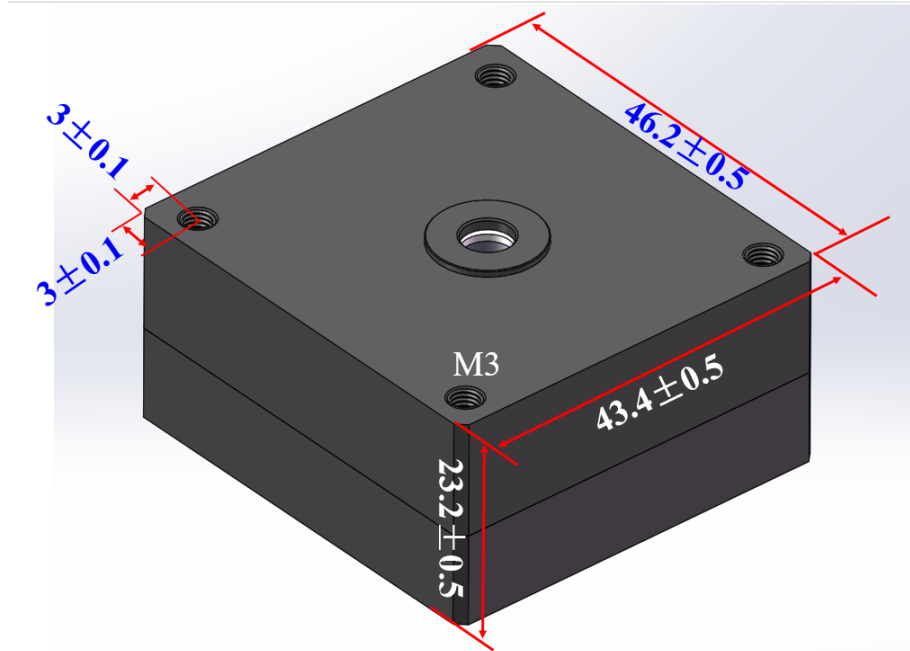
⁴ Cable length can be customized upon request.



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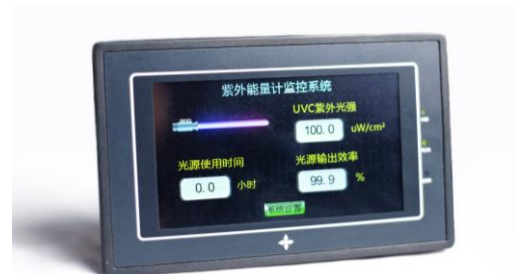
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Drawing (unit: mm)



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

