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	^{o}C	
Storage temperature	T_{sp}	-30-85	^{o}C	
Electro-optical characteristics (25 ^{o}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]		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		

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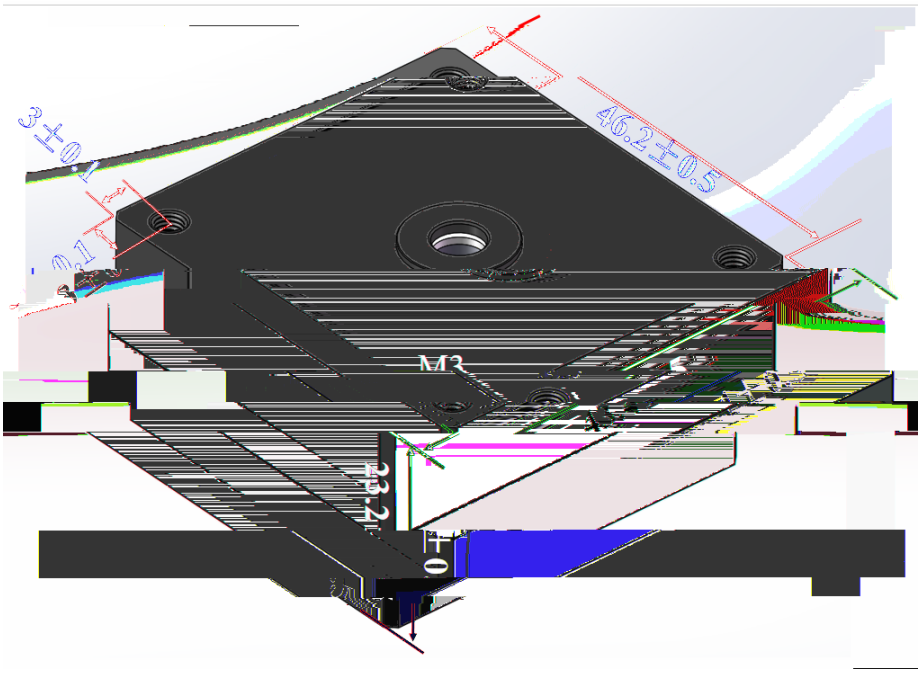
Drawing (unit: mm)



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