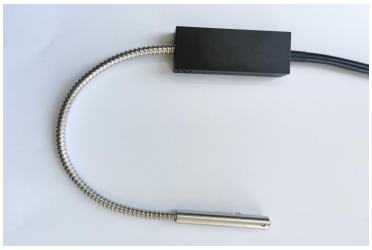
UV Sensor Probe Model: APF-UVx-1y

General features:



- Stable high temperature operation
- Single power supply
- Analog 0-5 V or 4-20 mA output
- High sensitivity and proved reliability

Applications: Radiant intensity measurement for UV curving, UV sterilization monitoring

Specifications:

General parameters					
Dimensions	Probe tip diameter (mm)	Optical fiber length (mm)	Weight (g)	Amplifier circuit case body	Quartz fiber tip
See drawing below	9	260	280	Al	304

Parameters	Symbol	Value	Unit	Remark
Maximum ratings				
Operation temperature[1]	T_{op1}	-20-250	°C	Quartz fiber probe tip
Operation temperature[2]	T_{op2}	-20-80	°C	Amplifer circuit case
Electro-optical characteristics (25 °C)				
Supply voltage	V_{cc}	7-24	V	DC
Output signal	I_{out}	4-20	mA	2 wire circuit (APF-UVx-11)
				3 wire circuit (APF-UVx-12)
	V_{out}	0-5	V	3 wire circuit (APF-UVx-13)
Detection wavelength range [1]	λ	220-290	nm	APF-UVC-1y
		220-325		APF-UVB-1y
		220-370		APF-UVA-1y
		290-440		APF-UVV-1y
UV power intensity measurement range	P	0-1000	mW/cm^2	See other options [2]
Connection				
Cable length [3]	2 m			

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

[2] UV power intensity measurement range: 0-1000 mW/cm^2 (standard), 0-30 W/cm^2 (option).

[3] Cable length can be customized upon request.

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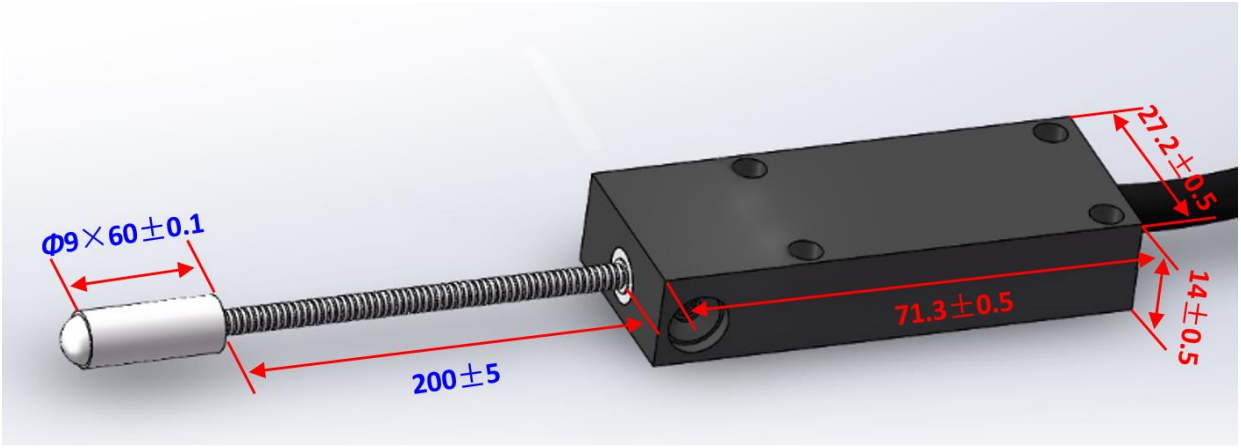
Drawing (unit: mm)



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