



OP-2 series



TECHNICAL DATA

High-Sensitivity Optical Power Sensors

Features

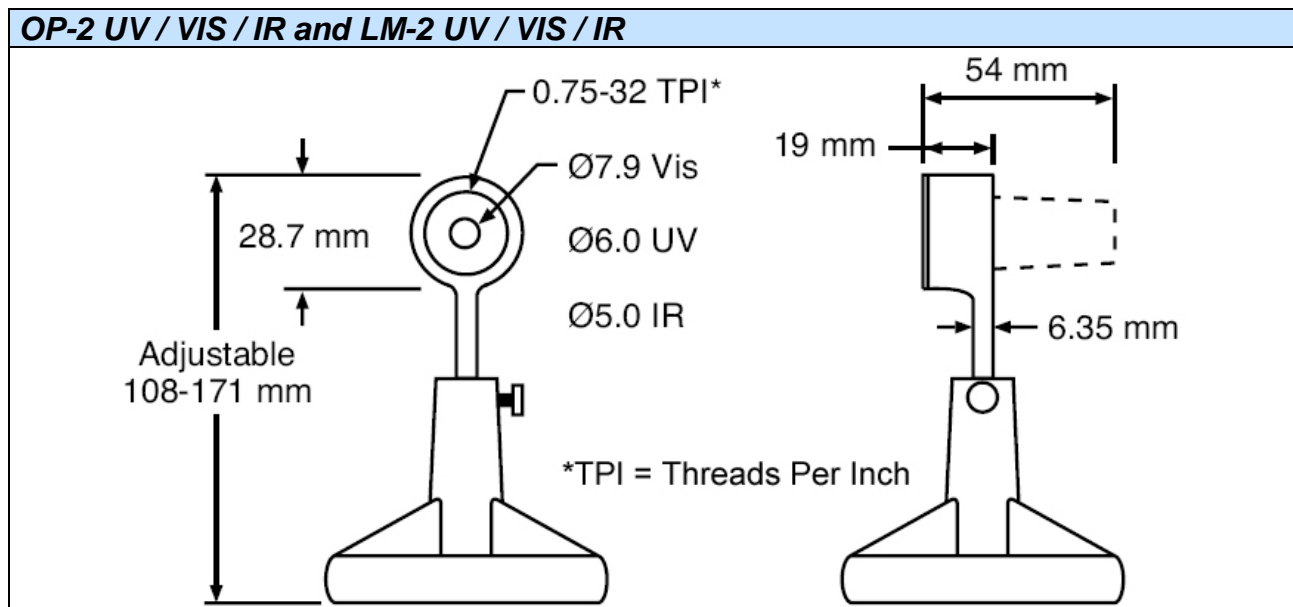
- Si, Ge photodiodes
- Spectral range: 250 nm to 1800 nm
- Fiber-optic connector (optional)
- 1000:1 attenuator for measurement to 5 W (optional)

These high-sensitivity semiconductor sensors are ideal for CW laser measurements in the nW to low mW level. They typically saturate in the 10 to 50 mW level, depending upon the model. For linear operation up to a maximum of 5 Watts, an optional 1000:1 attenuator is used.

Specifications

Model	OP-2 / LM-2 UV	OP-2 / LM-2 VIS	OP-2 / LM-2 IR
Detector Material	Silicon		Germanium
Wavelength Range (µm)	0.25 – 0.4	0.4 – 1.06	0.8 – 1.8 / 0.8 – 1.5 * ¹
Power Range	10 nW – 30 mW	10 nW – 30 mW * ²	10 nW – 10 mW
Resolution (nW)	1		
Active Area Diameter (mm)	6	7.9	5
Dimension (mm)	Ø29 x 54		
Calibration Uncertainty (%)	±8	±5	±4.5
Calibration Wavelength (nm)	Monochromator calibration across wavelength range		
Cooling Method	Air-cooled		
Connector Type	OP DB-25 / LM DC-25		
Cable Length (m)	1.8		

Package Dimensions





Measureable Power vs. Wavelength

OP-2 VIS and LM-2 VIS

