

Air-Cooled Thermopile Sensors

10 mW to 30W



Models PM2, PM10, PM30

Features

- Convective air-cooled
- Spectrally flat from 0.19 μm to 11 μm
- 1 to 10 mW resolution
- 19 mm aperture

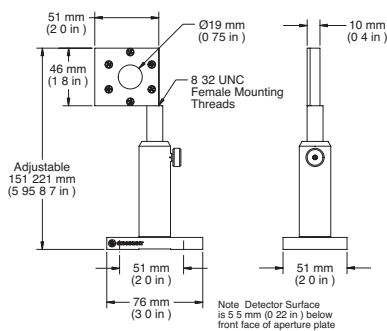
These thermopile sensors are used to measure CW and pulsed lasers from 10 mW up to 30W average power output. These sensors are able to dissipate heat via convection cooling, which makes them convenient to use.

Device Specifications

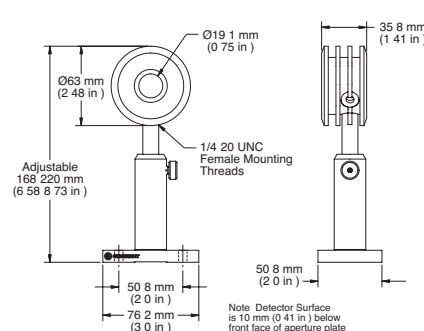


Model	PM2	PM10	PM30
Wavelength Range (μm)		0.25 to 11	
Power Range	10 mW to 2W	10 mW to 10W	100 mW to 30W
Long-Pulse Joules Range (J)	0.5 to 2	0.5 to 10	0.5 to 50
Max. Intermittent Power (<5 min.)(W)	5	30	50
Resolution (mW)		1	10
Max. Power Density	6 kW/cm ²		
Max. Energy Density	0.6 J/cm ² , 1064 nm, 10 ns		
Response Time (sec.)	2		
Detector Coating	Broadband		
Active Area Diameter (mm)	19		
Calibration Uncertainty (%) (k=2)	± 1		
Calibration Wavelength (nm)	514		
Cooling Method	Air-cooled		
Cable Type	PM DB-25		
Cable Length (m)	2		
Part Number	1098329	1097901	1098314

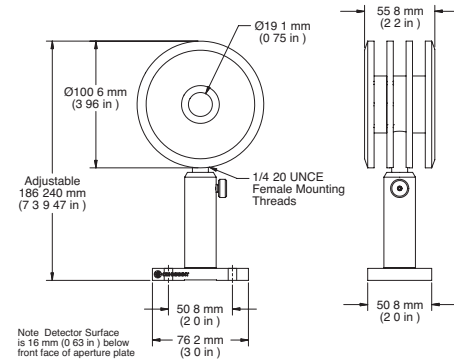
PM2



PM10



PM30



Air-Cooled Thermopile Sensors

300 mW to 150W



Models PM150-50, PM150, PM100-19C

Features

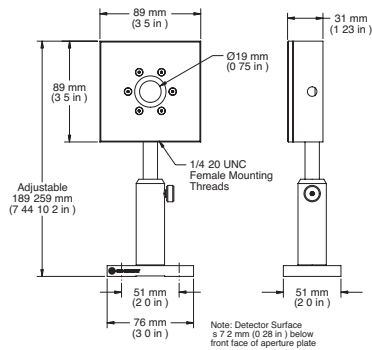
- Convective air-cooled
- Spectrally flat from 0.19 μm to 11 μm
- 30 mW resolution
- 19 mm and 50 mm apertures

Device Specifications	Model	PM100-19C ¹	PM150	PM150-50
	Wavelength Range (μm)		0.25 to 11	
	Power Range	300 mW to 100W	300 mW to 150W	
	Long-Pulse Joules (J)	1 to 100	1 to 150	
	Max. Intermittent Power (<5 min.)(W)	100	300	
	Resolution (mW)		30	
	Max. Power Density		6 kW/cm ²	
	Max. Energy Density		0.6 J/cm ² , 1064 nm, 10 ns	
	Response Time (sec.)	2		5
	Detector Coating		Broadband	
	Active Area Diameter (mm)	19		50
	Calibration Uncertainty (%) (k=2)		± 1	
	Calibration Wavelength (nm)		514	
	Cooling Method		Air-cooled	
	Cable Type		PM DB-25	
	Cable Length (m)		2	
	Part Number	1098483	1098407	1098398

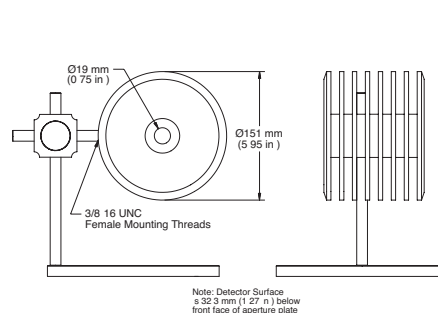


¹ This sensor is designed for intermittent use only.

PM100-19C



PM150



PM150-50

