

Fan-Cooled Thermopile Sensors

1W to 300W



PM200F-50 and PM300F-50

Features

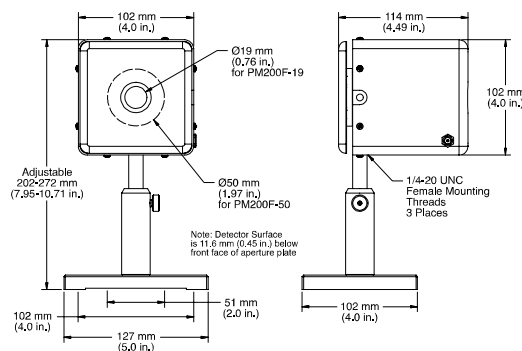
- Fan-cooled
- Spectrally flat from 0.19 μm to 11 μm
- 100 mW resolution
- 19 mm and 50 mm apertures

Fan-cooled sensors are an excellent choice for measuring high power lasers when water-cooling is not possible. A compact power supply provides the 12 VDC required to power the fan.

Device Specifications	Model	PM200F-19	PM200F-50	PM300F-19	PM300F-50
ISO/IEC 17025:2005 	Wavelength Range (μm)	0.25 to 11			
	Power Range (W)	1 to 200		1 to 300	
	Long-Pulse Joules Range (J)	1 to 200		1 to 300	
	Maximum Intermittent Power (<5 min.)(W)	300		450	
	Resolution (mW)	100			
	Maximum Power Density (kW/cm ²)	6			
	Maximum Energy Density (mJ/cm ²)	600, 1064 nm, 10 ns			
	Response Time (sec.)	2	5	2	5
	Detector Coating	Broadband			
	Active Area Diameter (mm)	19	50	19	50
Calibration Uncertainty (%) (k=2)	±1				
Calibration Wavelength (nm)	514				
Cooling Method	Fan-cooled				
Cable Type	PM DB-25				
Cable Length (m)	2				
Part Number	1098480	1098472**	1098509**	1098417	



PM200F-19/PM200F-50



PM300F-19/PM300F-50

