

Coherent® Thermopile Power Sensor 1098314 | 100mW - 30W, DB25

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C\$1,918⁰⁰

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General	
Model Number:	PM30 Coherent Part Number: 1098314
Type:	Meter required
Calibration Uncertainty (%):	±1
Long Pulse Joule Mode Range (J):	

0.5 - 50	
Air	Cooling Method:
Maximum Incident Energy Density (J/cm²): 0.6 @ 1064nm, 10ns	
Compatible Meters: #35-203 , #12-393 , #59-978 , #88-411 , #66-277 , #88-412	
Physical & Mechanical Properties	
Active Area Diameter (mm): 19	
Optical Properties	
Resolution: 10mW	
Calibration Wavelength (nm): 514	
Wavelength Range (nm): 190 - 11000	
Wavelength Range (µm): 0.19 - 11	
Sensor	
Type of Sensor: Thermopile	
Electrical	
Maximum Intermittent Power, <5min (W): 50 (air-cooled)	
Maximum Incident Power Density (kW/cm²): 6	
Power Range: 100mW - 30W	
Hardware & Interface Connectivity	
Length of Cable (m): 2.0	
Computer Interface: DB25	
Regulatory Compliance	
RoHS 2015: Exempt	
Reach 224: Contains SVHC(s)	
Certificate of Conformance: View	

Product Details

- Superior Damage Resistance
- Wide Dynamic Range
- ISO 17025 Certified

Coherent® Thermopile Power Sensors are ideal for measuring the average power of continuous wave lasers or pulsed laser energy. Thermopile sensors operate by absorbing and converting incident laser radiation into heat, which then flows to a heat sink. The temperature difference between the absorber and heat sink is converted into an electrical signal by a thermocouple junction. Coherent® Thermopile Power Sensors, unlike semiconductor sensors, do not saturate. Unlike semiconductor sensors, thermopile sensors feature high power capability and flat spectral response.