

Coherent® Thermopile Power Sensor 1097901 | 10mW - 10W, DB25

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General	
Model Number:	PM10 Coherent Part Number: 1097901
Type:	Meter required
Calibration Uncertainty (%):	±1
Long Pulse Joule Mode Range (J):	

0.5 - 10	
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	
19	Active Area Diameter (mm):
Optical Properties	
514	Calibration Wavelength (nm):
190 - 11000	Wavelength Range (nm):
0.19 - 11	Wavelength Range (µm):
Sensor	
Thermopile	Type of Sensor:
Electrical	
30 (air-cooled)	Maximum Intermittent Power, <5min (W):
6	Maximum Incident Power Density (kW/cm²):
10mW - 10W	Power Range:
Hardware & Interface Connectivity	
2.0	Length of Cable (m):
DB25	Computer Interface:
Regulatory Compliance	
Exempt	RoHS 2015:
Contains SVHC(s)	Reach 224:
View	Certificate of Conformance:

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.