

Coherent® Thermopile Power Sensor 1174264 | 5mW - 2W, USB

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General

Model Number:
PM2
Coherent Part Number: 1174264

Type:
Meterless

Calibration Uncertainty (%):
±2

Long Pulse Joule Mode Range (J):

Cooling Method:

Air

Maximum Incident Energy Density (J/cm²):

0.6 @ 1064nm, 10ns

Physical & Mechanical Properties**Active Area Diameter (mm):**

19

Optical Properties**Calibration Wavelength (nm):**

10600

Wavelength Range (nm):

190 - 11000

Wavelength Range (μm):

0.19 - 11

Sensor**Type of Sensor:**

Thermopile

Electrical**Maximum Intermittent Power, <5min (W):**

5 (air-cooled)

Maximum Incident Power Density (kW/cm²):

6

Power Range:

5mW - 2W

Hardware & Interface Connectivity**Length of Cable (m):**

2.5

Computer Interface:

USB

Regulatory Compliance**RoHS 2015:**[Compliant](#)**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.