

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

See More by [Coherent®](#)



Stock #59-981 **4 In Stock**

⊖ 1 ⊕ MRP ₹1,16,289

Price inclusive of all taxes

ADD TO CART

Volume Pricing

Qty 1+	₹1,16,289 each
Need More?	Request Quote

Product Downloads

General

Model Number:
PM10
Coherent Part Number: 1097901

Type:
[Meter required](#)

Calibration Uncertainty (%):
±1

0.5 - 10 **Long Pulse Joule Mode Range (J):**

Air **Cooling Method:**

0.6 @ 1064nm, 10ns **Maximum Incident Energy Density (J/cm²):**

[#35-203](#), [#12-393](#), [#59-978](#),
[#88-411](#), [#66-277](#), [#88-412](#) **Compatible Meters:**

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:**

United States **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

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.