

[See all 7 Products in Family](#)

Coherent® Beam Position Thermopile Power Sensors 1174270 | 100mW-20W

See More by [Coherent®](#)



Stock #88-419 **1 In Stock**

MRP ₹1,95,939

! Price inclusive of all taxes

ADD TO CART

Volume Pricing

Qty 1+	₹1,95,939 each
Need More?	Request Quote

Product Downloads

General

Model Number:
 LM-20
 Coherent Part Number: 1174270

Type:
 Meterless

Linearity (%):
 ±1

Calibration Uncertainty (%):
 ±2

0.5 - 50 **Long Pulse Joule Mode Range (J):**

±3 **Long Pulse Joule Mode Accuracy (%):**

Air **Cooling Method:**

600mJ/cm² (10ns, 1064nm) **Maximum Incident Energy Density:**

Physical & Mechanical Properties

19 **Active Area Diameter (mm):**

Optical Properties

10,600 **Calibration Wavelength (nm):**

0.25 - 10.6 **Wavelength Range (µm):**

Sensor

Quad Element Thermopile **Type of Sensor:**

Electrical

±1.5 **Spectral Compensation Accuracy (%):**

20 **Maximum Incident Beam Power (W):**

6 **Maximum Incident Power Density (kW/cm²):**

100mW - 20W **Power Range:**

100 **Minimum Power (mW):**

Hardware & Interface Connectivity

2.5 **Length of Cable (m):**

USB **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

The LM-20 is designed for embedded use and must be mounted on a heat sink.

- Thermopile Detector Element for High Power Measurements
- Measure Beam Position on Detector Surface
- ISO 17025 Certified

Coherent® Beam Position Sensing Thermopile Power Sensors are all-purpose sensors designed to measure the average power or energy of a wide variety of continuous wave or pulsed lasers. Coherent Beam Position Sensing Thermopile Power Sensors utilize a quadrant thermopile detector disk to sense the position of the laser beam on the detector surface while measuring the laser power. Coherent thermopile sensors can operate across a wide range of input powers, and do not saturate.

Note: The LM-20 is designed for embedded use and must be mounted on a heat sink.