

Coherent® Beam Position Thermopile Power Sensors 1193300 | 100mW-100W

See More by [Coherent®](#)



Stock #88-420 2 In Stock

-

1

+

₹2,46,150

ADD TO CART

Volume Pricing	
Qty 1+	₹2,46,150 each
Need More?	Request Quote

Product Downloads

General	
Model Number:	
LM-100 Coherent Part Number: 1193300	
Type:	
Meterless	
Linearity (%):	
±1	
Calibration Uncertainty (%):	
±2	
Long Pulse Joule Mode Range (J):	

0.5 - 50	
±3	Long Pulse Joule Mode Accuracy (%):
Air	Cooling Method:
600mJ/cm ² (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 (%):
100	Maximum Incident Beam Power (W):
6	Maximum Incident Power Density (kW/cm ²):
100mW - 100W	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	Imported By:

Product Details

- 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.