

Coherent® Beam Position Thermopile Power Sensors 1098320 | 100mW-45W

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C\$2,324⁰⁰

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General	
Model Number: LM45 HTD Coherent Part Number: 1098320	
Type: Meter required	
Linearity (%): ±1	
Calibration Uncertainty (%): ±2	
Long Pulse Joule Mode Range (J): 0.5 - 10	

±3	Long Pulse Joule Mode Accuracy (%):
Air	Cooling Method:
#35-203, #12-393, #59-978, #88-411, #66-277, #88-412	Compatible Meters:

Physical & Mechanical Properties

19	Active Area Diameter (mm):
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Optical Properties

10,600	Calibration Wavelength (nm):
0.25 - 10.6	Wavelength Range (µm):

Sensor

Quad Element Thermopile	Type of Sensor:
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Electrical

±1.5	Spectral Compensation Accuracy (%):
45	Maximum Incident Beam Power (W):

Hardware & Interface Connectivity

2.5	Length of Cable (m):
DB-25	Computer Interface:

Regulatory Compliance

Exempt	RoHS 2015:
Contains SVHC(s)	Reach 224:
View	Certificate of Conformance:

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.