

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

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⊖ 1 ⊕ MRP ₹1,76,292

📌 Price inclusive of all taxes

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## Product Downloads

### 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

Long Pulse Joule Mode Accuracy (%):

±3

Cooling Method:

Air

Compatible Meters:

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

## Physical & Mechanical Properties

Active Area Diameter (mm):

19

## Optical Properties

Calibration Wavelength (nm):

10,600

Wavelength Range (µm):

0.25 - 10.6

## Sensor

Type of Sensor:

Quad Element Thermopile

## Electrical

Spectral Compensation Accuracy (%):

±1.5

Maximum Incident Beam Power (W):

45

## Hardware & Interface Connectivity

Length of Cable (m):

2.5

Computer Interface:

DB-25

## Regulatory Compliance

RoHS 2015:

[Exempt](#)

Reach 224:

[Contains SVHC\(s\)](#)

Certificate of Conformance:

[View](#)

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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.