

# Coherent® Beam Position Thermopile Power Sensors 1168340 | 10mW-10W

See More by [Coherent®](#)



Stock #68-628 5 In Stock

-

1

+

€1.805<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €1.805,00 each                |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                                |  |
|----------------------------------------|--|
| Model Number:                          |  |
| LM-10<br>Coherent Part Number: 1168340 |  |
| Type:                                  |  |
| Meterless                              |  |
| Linearity (%):                         |  |
| ±1                                     |  |
| Calibration Uncertainty (%):           |  |
| ±2                                     |  |

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| 0.5 - 10                             | Long Pulse Joule Mode Range (J):    |
| ±3                                   | Long Pulse Joule Mode Accuracy (%): |
| Air                                  | Cooling Method:                     |
| 600mJ/cm <sup>2</sup> (10ns, 1064nm) | Maximum Incident Energy Density:    |

Physical & Mechanical Properties

|    |                            |
|----|----------------------------|
| 16 | 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 (%):                   |
| 10         | Maximum Incident Beam Power (W):                      |
| 6          | Maximum Incident Power Density (kW/cm <sup>2</sup> ): |
| 10mW - 10W | Power Range:                                          |
| 10         | 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: |

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.