

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

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Stock #68-628 **5 In Stock**

-

1

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C\$2,527<sup>00</sup>

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

|          |                                     |
|----------|-------------------------------------|
| 0.5 - 10 | Long Pulse Joule Mode Accuracy (%): |
| ±3       |                                     |

|     |                 |
|-----|-----------------|
| Air | Cooling Method: |
|-----|-----------------|

|                          |                                  |
|--------------------------|----------------------------------|
| 600mJ/cm² (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/cm²): |
| 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.