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Coherent® High-Sensitivity Thermopile Sensor PS10 1098350 | 1W Max Power

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Coherent® High-Sensitivity Thermopile Sensors

Stock **#12-416** **1 In Stock**

- 1 + C$2,499.00

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General

Model Number:
PS10 Coherent Part Number: 1098350

Type:
Meter required

Linearity (%):
±1

Calibration Uncertainty (%):
1

Cooling Method:

Air

Response Time (s):
2

Note:
Includes a Removable Light Tube to Minimize Background Radiation Effects

Compatible Meters:
#35-203, **#12-393**, **#59-978**, **#88-411**, **#66-277**, **#88-412**

Maximum Incident Energy Density:
50mJ/cm^2 (10ns, 1064nm)

Physical & Mechanical Properties

Active Area Diameter (mm):
10

Optical Properties

Calibration Wavelength (nm):
514

Wavelength Range (nm):
300 - 11000

Wavelength Range (µm):
0.3 - 11

Sensor

Type of Sensor:
Thermopile

Electrical

Maximum Incident Power Density (kW/cm^2):
0.5

Power Range:
100µW - 1W

Maximum Power (W):
1

Power Resolution:
10µW

Hardware & Interface Connectivity

Length of Cable (m):
2

Computer Interface:
DB-25

Environmental & Durability Factors

Thermally Stabilized:
Yes

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

Certificate of Conformance:
View

Product Details

- Broad Spectral Range with High Sensitivity and High Resolution
- Large Active Area Sensors up to 19mm in Diameter
- Flat Broadband Output with No Saturation above 1mW/cm^2

Coherent® High-Sensitivity Thermopile Sensors are designed to have a broad spectral response to accommodate an array of lasers with different wavelengths. The large active area and high resolution of these thermopile sensors allows for accurate measurements of low-power lasers. A range of models are available to meet specific needs relating to thermal stability, background radiation, and air current effect. Coherent® High-Sensitivity Thermopile Sensors are designed to accurately measure the laser power of small laser diodes, HeNe lasers, and small ion lasers. Unique to this design, these sensors will not saturate when laser power exceeds 1mW/cm^2.

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