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Coherent® High-Sensitivity Thermopile Sensor PS19 1098413 | 1W Max Power

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Coherent® High-Sensitivity Thermopile Sensors

Stock **#12-417** [CONTACT US](#)

1 MRP ₹1,95,408

1 Price inclusive of all taxes

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General

Model Number:
PS19 Coherent Part Number: 1098413

Meter required **Type:**

Linearity (%):
±1

Calibration Uncertainty (%):
1

Air **Cooling Method:**

2 **Response Time (s):**

Compatible Meters:
[#35-203](#), [#59-978](#), [#88-411](#), [#66-277](#)

Maximum Incident Energy Density:
50mJ/cm² (10ns, 1064nm)

Physical & Mechanical Properties

19 **Active Area Diameter (mm):**

Optical Properties

514 **Calibration Wavelength (nm):**

300 - 11000 **Wavelength Range (nm):**

0.3 - 11 **Wavelength Range (μm):**

Sensor

Thermopile **Type of Sensor:**

Electrical

0.5 **Maximum Incident Power Density (kW/cm²):**

100μW - 1W **Power Range:**

1 **Maximum Power (W):**

10μW **Power Resolution:**

Hardware & Interface Connectivity

2 **Length of Cable (m):**

DB-25 **Computer Interface:**

Environmental & Durability Factors

Yes **Thermally Stabilized:**

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[Contains SVHC\(s\)](#) **Reach 224:**

[View](#) **Certificate of Conformance:**

United States **Country of Origin:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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/cm²

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/cm².