

# Coherent® PowerMax USB PS19 Measurement System 1174261 | 1W Max Power

See More by [Coherent®](#)



Coherent® High-Sensitivity Thermopile Sensors

Stock #12-412 **5 In Stock**

⊖ 1 ⊕ £1,860<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	£1,860.00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

## General

**Model Number:**

PS19  
Coherent Part Number: 1174261

**Type:**

Meterless

**Linearity (%):**

±1

**Calibration Uncertainty (%):**

±2

0.001 - 1	<b>Long Pulse Joule Mode Range (J):</b>
±3	<b>Long Pulse Joule Mode Accuracy (%):</b>
Air	<b>Cooling Method:</b>
2	<b>Response Time (s):</b>
50mJ/cm <sup>2</sup> (10ns, 1064nm)	<b>Maximum Incident Energy Density:</b>
<b>Physical &amp; Mechanical Properties</b>	
19	<b>Active Area Diameter (mm):</b>
<b>Optical Properties</b>	
514	<b>Calibration Wavelength (nm):</b>
300 - 11000	<b>Wavelength Range (nm):</b>
0.3 - 11	<b>Wavelength Range (µm):</b>
<b>Sensor</b>	
Thermopile	<b>Type of Sensor:</b>
<b>Electrical</b>	
±1.5	<b>Spectral Compensation Accuracy (%):</b>
0.5	<b>Maximum Incident Power Density (kW/cm<sup>2</sup>):</b>
100µW - 1W	<b>Power Range:</b>
1	<b>Maximum Power (W):</b>
5µW	<b>Noise Equivalent Power:</b>
<b>Hardware &amp; Interface Connectivity</b>	
2.5	<b>Length of Cable (m):</b>
USB	<b>Computer Interface:</b>
<b>Environmental &amp; Durability Factors</b>	
Yes	<b>Thermally Stabilized:</b>
<b>Regulatory Compliance</b>	
<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">Contains SVHC(s)</a>	<b>Reach 224:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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<sup>2</sup>

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<sup>2</sup>.