

Coherent® PowerMax USB PS19Q Measurement System 1168343 | 1W Max Power

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€2.550⁰⁰

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General	
Model Number:	PS19Q Coherent Part Number: 1168343
Type:	Meterless
Linearity (%):	±1
Calibration Uncertainty (%):	±2

0.001 - 1	Long Pulse Joule Mode Range (J):
±3	Long Pulse Joule Mode Accuracy (%):
Cooling Method:	
Air	
Response Time (s):	
2	
Note:	
Includes a Wedged Quartz Window to Eliminate Thermal Background Radiation and Air Current Effects	
Maximum Incident Energy Density:	
50mJ/cm ² (10ns, 1064nm)	

Physical & Mechanical Properties

19	Active Area Diameter (mm):
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Optical Properties

514	Calibration Wavelength (nm):
300 - 2100	Wavelength Range (nm):
0.3 - 2.1	Wavelength Range (μm):

Sensor

Thermopile	Type of Sensor:
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Electrical

±1.5	Spectral Compensation Accuracy (%):
0.5	Maximum Incident Power Density (kW/cm ²):
100μW - 1W	Power Range:
0.1	Minimum Power (mW):
1	Maximum Power (W):
3μW	Noise Equivalent Power:

Hardware & Interface Connectivity

2.5	Length of Cable (m):
USB	Computer Interface:

Environmental & Durability Factors

Yes	Thermally Stabilized:
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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.

