

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

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⊖ 1 ⊕ A\$4,080⁰⁰

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General

Model Number:	
PS19Q Coherent Part Number: 1168343	
Type:	
Meterless	
Linearity (%):	
±1	
Calibration Uncertainty (%):	
±2	
Long Pulse Joule Mode Range (J):	
0.001 - 1	

±3	Long Pulse Joule Mode Accuracy (%):
Air	Cooling Method:
2	Response Time (s):
Note: Includes a Wedged Quartz Window to Eliminate Thermal Background Radiation and Air Current Effects	
50mJ/cm ² (10ns, 1064nm)	Maximum Incident Energy Density:
Physical & Mechanical Properties	
19	Active Area Diameter (mm):
Optical Properties	
514	Calibration Wavelength (nm):
300 - 2100	Wavelength Range (nm):
0.3 - 2.1	Wavelength Range (µm):
Sensor	
Thermopile	Type of Sensor:
Electrical	
±1.5	Spectral Compensation Accuracy (%):
0.5	Maximum Incident Power Density (kW/cm²):
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:
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.