

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

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₹2,80,368

Price inclusive of all taxes

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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	
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:
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

- 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.

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