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Coherent® PowerMax Pro HP Measurement System 1286588 | 15kW (<10ms burst) 1.5kW (continuous)

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Coherent USB-PowerMax Pro Fast Measurement Systems

Stock #12-415 [CONTACT US](#)

⊖ 1 ⊕ C\$4,683⁰⁰

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General

1286588 **Model Number:**

[Meter required](#) **Type:**

≤10 **Rise Time (μs):**

±2 **Calibration Uncertainty (%):**

Water/Air (intermittent)	Cooling Method:
≤10	Fall Time (μs):
#35-203	Compatible Meters:
33J/cm ² (3ns; 755nm)	Maximum Incident Energy Density:
Physical & Mechanical Properties	
25 Dia.	Active Area (mm):
Optical Properties	
810	Calibration Wavelength (nm):
700 - 1070, 10600	Wavelength Range (nm):
Electrical	
±5	Spectral Compensation Accuracy (%):
50	Maximum Incident Power Density (kW/cm²):
1W to 350W	Power Range (Water-Cooled):
Hardware & Interface Connectivity	
2.5	Length of Cable (m):
DB25	Computer Interface:
Regulatory Compliance	
Exempt	RoHS 2015:
Contains SVHC(s)	Reach 224:
View	Certificate of Conformance:

Product Details

- Fastest Response Laser Power Measurement System Available
- Fully Integrated Plug-and-Play USB System
- Large Active Area for Full Beam Measurement

Coherent USB-PowerMax Pro Fast Measurement Systems incorporate a patented power sensor technology that delivers orders of magnitude faster response time than previously possible with thermal or pyro detector technology. The systems enable users to measure laser average power, peak power, and pulse energy, while viewing the pulse temporal profile of the beam. They are ideal for process control due to the instantaneous response to laser power variation and detailed pulse analysis, without impacting process throughput. Coherent USB-PowerMax Pro Fast Measurement Systems eliminate the need for a separate meter and feature a small form factor, simple implementation, and easy communication via direct USB interface, or wirelessly through available Android™ and iOS applications.