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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

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General

Model Number:
1286588

Type:
Meter required

Rise Time (µs):
≤10

Calibration Uncertainty (%):
±2

Cooling Method:
Water/Air (intermittent)

Fall Time (µs):
≤10

Compatible Meters:
#35-203

Maximum Incident Energy Density:
33J/cm^2 (3ns; 755nm)

Physical & Mechanical Properties

Active Area (mm):
25 Dia.

Optical Properties

Calibration Wavelength (nm):
810

Wavelength Range (nm):
700 - 1070, 10600

Electrical

Spectral Compensation Accuracy (%):
±5

Maximum Incident Power Density (kW/cm^2):
50

Power Range (Water-Cooled):
1W to 350W

Hardware & Interface Connectivity

Length of Cable (m):
2.5

Computer Interface:
DB25

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

Certificate of Conformance:
View

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.

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