

Coherent® USB PowerMax Pro Measurement System 1315456 | 350W

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Coherent USB-PowerMax Pro Fast Measurement Systems

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General

1315456 **Model Number:**

Meterless **Type:**

≤10 **Rise Time (µs):**

±2 **Calibration Uncertainty (%):**

Water/Air (intermittent) **Cooling Method:**

≤10 **Fall Time (μs):**

30J/cm² (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):**

3W to 350W **Power Range (Water-Cooled):**

Hardware & Interface Connectivity

4.2 **Length of Cable (m):**

USB **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.