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# Coherent® EnergyMax 1110746 | 500μJ-1000mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

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⊖ 1 ⊕ €1.760<sup>00</sup>

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## Product Downloads

### General

**Model Number:**

J-25MB-HE  
Coherent Part Number: 1110746

**Type:**

[Meter required](#)

**Linearity (%):**

±3

**Calibration Uncertainty (%):**

±2

<16	<b>Noise Equivalent Energy (μJ):</b>
#35-203 or #66-277	<b>Compatible Meters:</b>
500mJ/cm <sup>2</sup> (10ns, 1064nm)	<b>Maximum Incident Energy Density:</b>
500μJ - 1J	<b>Energy Range:</b>
#88-412	<b>Preferred Meter:</b>
<b>Physical &amp; Mechanical Properties</b>	
25	<b>Active Area Diameter (mm):</b>
<b>Optical Properties</b>	
1064	<b>Calibration Wavelength (nm):</b>
17	<b>Maximum Pulse Width (μs):</b>
190 - 12000	<b>Wavelength Range (nm):</b>
<b>Sensor</b>	
Pyroelectric	<b>Type of Sensor:</b>
<b>Electrical</b>	
1000	<b>Maximum Repetition Rate (pps):</b>
5	<b>Maximum Incident Beam Power (W):</b>
<b>Hardware &amp; Interface Connectivity</b>	
DB25	<b>Connector:</b>
2.5	<b>Length of Cable (m):</b>
<b>Regulatory Compliance</b>	
Exempt	<b>RoHS 2015:</b>
Contains SVHC(s)	<b>Reach 224:</b>
View	<b>Certificate of Conformance:</b>

## Product Details

- ISO 17025 Certified
- Embedded Spectral Compensation Characteristics
- Automatic Temperature Compensation

Coherent® EnergyMax Laser Energy Sensors are designed for a variety of demanding laser measurement applications. These energy sensors, available in meter or meterless USB configurations, incorporate a diffuse coating to minimize specular reflection and feature large active areas. The J-50MB-YAG combines the MaxBlack coating with a diffuser for use with high energy lasers of up to 3J. Coherent® EnergyMax Laser Energy Sensors utilize onboard sensors to automate temperature compensation for improved measurement accuracy.