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# Coherent® EnergyMax 1110576 | 250μJ-500mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

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⊖ 1 ⊕ **S\$2,730<sup>00</sup>**

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## Product Downloads

### General

**Model Number:**  
J-50MB-LE  
Coherent Part Number: 1110576

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

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

<8 **Noise Equivalent Energy ( $\mu$ J):**

**Compatible Meters:**  
[#88-412](#) or [#35-203](#)

**Maximum Incident Energy Density:**  
500mJ/cm<sup>2</sup> (10ns, 1064nm)

**Energy Range:**  
250 $\mu$ J - 500mJ

**Preferred Meter:**  
[#66-277](#)

## Physical & Mechanical Properties

**Active Area Diameter (mm):**  
50

## Optical Properties

**Calibration Wavelength (nm):**  
1064

**Maximum Pulse Width ( $\mu$ s):**  
57

**Wavelength Range (nm):**  
190 - 12000

## Sensor

**Type of Sensor:**  
Pyroelectric

## Electrical

**Maximum Repetition Rate (pps):**  
300

**Maximum Incident Beam Power (W):**  
10

## Hardware & Interface Connectivity

**Connector:**  
DB25

**Length of Cable (m):**  
2.5

## Regulatory Compliance

**RoHS 2015:**  
[Exempt](#)

**Reach 224:**  
[Contains SVHC\(s\)](#)

**Certificate of Conformance:**  
[View](#)

## 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.