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# Coherent® EnergyMax 1110573 | 1000μJ-2000mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #12-388 [CONTACT US](#)

C\$2,730<sup>00</sup>

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## Product Downloads

### General

**Model Number:**  
 J-50MB-HE  
 Coherent Part Number: 1110573

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

**Linearity (%):**  
 ±3

**Calibration Uncertainty (%):**  
 ±2

<33 **Noise Equivalent Energy ( $\mu$ J):**

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

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

1mJ - 2J **Energy Range:**

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

## Physical & Mechanical Properties

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

## Optical Properties

1064 **Calibration Wavelength (nm):**

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

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

## Sensor

Pyroelectric **Type of Sensor:**

## Electrical

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

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

## Hardware & Interface Connectivity

DB25 **Connector:**

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

## Regulatory Compliance

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

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

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

## 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.