

[See all 15 Products in Family](#)

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

See More by [Coherent®](#)



Coherent® EnergyMax Laser Energy Sensors

Stock #12-389 **2 In Stock**

⊖ 1 ⊕ S\$2,730⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	S\$2,730.00 each
Need More?	Request Quote

Product Downloads

General

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

Type:
[Meter required](#)

Linearity (%):
±3

Calibration Uncertainty (%):
±2

<8 **Noise Equivalent Energy (μ J):**

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

Maximum Incident Energy Density:
500mJ/cm² (10ns, 1064nm)

Energy Range:
250 μ J - 500mJ

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

Physical & Mechanical Properties

Active Area Diameter (mm):
50

Optical Properties

Calibration Wavelength (nm):
1064

Maximum Pulse Width (μ 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.