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# Coherent® EnergyMax 1110747 | 50μJ-100mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #12-387 [CONTACT US](#)

⊖ 1 ⊕ S\$2,814<sup>00</sup>

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## Product Downloads

### General

**Model Number:**  
J-25MT-10KHZ  
Coherent Part Number: 1110747

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

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

<2 **Noise Equivalent Energy ( $\mu$ J):**

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

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

**Energy Range:**  
50 $\mu$ J - 100mJ

[#88-412](#) **Preferred Meter:**

## Physical & Mechanical Properties

**Active Area Diameter (mm):**  
25

## Optical Properties

**Calibration Wavelength (nm):**  
1064

**Maximum Pulse Width ( $\mu$ s):**  
1.7

**Wavelength Range (nm):**  
190 - 2100

## Sensor

**Type of Sensor:**  
Pyroelectric

## Electrical

**Maximum Repetition Rate (pps):**  
10000

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

## Hardware & Interface Connectivity

**Connector:**  
DB25

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

## 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.