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# Coherent® EnergyMax 1110572 | 500µJ-1000mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #12-391 **2 In Stock**

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## Product Downloads

### General

**Model Number:**  
J-50MUV-248 w/ Diffuser  
Coherent Part Number: 1110572

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

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±3

<16 **Noise Equivalent Energy ( $\mu$ J):**

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

**Maximum Incident Energy Density:**  
520mJ/cm<sup>2</sup> (10ns, 248nm)

**Energy Range:**  
500 $\mu$ J - 1J

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

## Physical & Mechanical Properties

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

## Optical Properties

**Calibration Wavelength (nm):**  
248

**Maximum Pulse Width ( $\mu$ s):**  
86

**Wavelength Range (nm):**  
190 - 266

## Sensor

**Type of Sensor:**  
Pyroelectric

## Electrical

**Maximum Repetition Rate (pps):**  
200

**Maximum Incident Beam Power (W):**  
15

## 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.