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# Coherent® EnergyMax 1110574 | 500μJ-1000mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #12-390 **2 In Stock**

⊖ 1 ⊕ €2.195<sup>00</sup>

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## Product Downloads

### General

**Model Number:**

J-50MT-10KHZ  
Coherent Part Number: 1110574

**Type:**

[Meter required](#)

**Linearity (%):**

±3

**Calibration Uncertainty (%):**

±2

<16	Noise Equivalent Energy ( $\mu\text{J}$ ):
<a href="#">#35-203</a>	Compatible Meters:
500mJ/cm <sup>2</sup> (10ns, 1064nm)	Maximum Incident Energy Density:
500 $\mu\text{J}$ - 1J	Energy Range:
<b>Physical &amp; Mechanical Properties</b>	
50	Active Area Diameter (mm):
<b>Optical Properties</b>	
1064	Calibration Wavelength (nm):
1.7	Maximum Pulse Width ( $\mu\text{s}$ ):
190 - 2100	Wavelength Range (nm):
<b>Sensor</b>	
Pyroelectric	Type of Sensor:
<b>Electrical</b>	
10000	Maximum Repetition Rate (pps):
20	Maximum Incident Beam Power (W):
<b>Hardware &amp; Interface Connectivity</b>	
DB25	Connector:
2.5	Length of Cable (m):
<b>Regulatory Compliance</b>	
<a href="#">Exempt</a>	RoHS 2015:
<a href="#">Contains SVHC(s)</a>	Reach 224:
<a href="#">View</a>	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.