

[See all 15 Products in Family](#)

# Coherent® EnergyMax 1191437 | Nd:YAG Sensor, 2.4mJ-3J, USB

See More by [Coherent®](#)



Coherent® EnergyMax Laser Energy Sensors

Stock #88-421 [CONTACT US](#)

- 1 + €3.200<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	€3.200,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

**Model Number:**  
J-50MB-YAG  
Coherent Part Number: 1191437

**Type:**  
Meterless

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

<240	<b>Noise Equivalent Energy (<math>\mu</math>J):</b>
	<b>Maximum Incident Energy Density:</b> 14J/cm <sup>2</sup> (10ns, 1064nm) 2.8J/cm <sup>2</sup> (10ns, 532nm) 0.75J/cm <sup>2</sup> (10ns, 355nm) 1.0J/cm <sup>2</sup> (10ns, 266nm)
2.4mJ - 3J	<b>Energy Range:</b>
<b>Physical &amp; Mechanical Properties</b>	
35	<b>Active Area Diameter (mm):</b>
<b>Optical Properties</b>	
1064	<b>Calibration Wavelength (nm):</b>
340	<b>Maximum Pulse Width (<math>\mu</math>s):</b>
266 - 2100	<b>Wavelength Range (nm):</b>
<b>Sensor</b>	
Pyroelectric	<b>Type of Sensor:</b>
<b>Electrical</b>	
50	<b>Maximum Repetition Rate (pps):</b>
20	<b>Maximum Incident Beam Power (W):</b>
<b>Hardware &amp; Interface Connectivity</b>	
USB	<b>Connector:</b>
3.0	<b>Length of Cable (m):</b>
<b>Regulatory Compliance</b>	
<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">Contains SVHC(s)</a>	<b>Reach 224:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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.