

[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 **1 In Stock**

⊖ 1 ⊕ MRP ₹3,39,840

📌 Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1+	₹3,39,840 each
Need More?	<a href="#">Request Quote</a>

## Product Downloads

### General

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

**Type:**  
Meterless

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

Noise Equivalent Energy ( $\mu\text{J}$ ):

<240

Maximum Incident Energy Density:

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)

Energy Range:

2.4mJ - 3J

## Physical & Mechanical Properties

Active Area Diameter (mm):

35

## Optical Properties

Calibration Wavelength (nm):

1064

Maximum Pulse Width ( $\mu\text{s}$ ):

340

Wavelength Range (nm):

266 - 2100

## Sensor

Type of Sensor:

Pyroelectric

## Electrical

Maximum Repetition Rate (pps):

50

Maximum Incident Beam Power (W):

20

## Hardware & Interface Connectivity

Connector:

USB

Length of Cable (m):

3.0

## Regulatory Compliance

RoHS 2015:

[Exempt](#)

Reach 224:

[Contains SVHC\(s\)](#)

Certificate of Conformance:

[View](#)

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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.