

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

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Coherent® EnergyMax Laser Energy Sensors

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£2,954¹⁸

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SPECIFICATIONS

General

Model Number:

J-50MB-YAG
Coherent Part Number: 1191437

Type:

Meterless	
±3	Linearity (%):
±2	Calibration Uncertainty (%):
<240	Noise Equivalent Energy (μJ):
14J/cm ² (10ns, 1064nm) 2.8J/cm ² (10ns, 532nm) 0.75J/cm ² (10ns, 355nm) 1.0J/cm ² (10ns, 266nm)	Maximum Incident Energy Density:
2.4mJ - 3J	Energy Range:
Physical & Mechanical Properties	
35	Active Area Diameter (mm):
Optical Properties	
1064	Calibration Wavelength (nm):
340	Maximum Pulse Width (μs):
266 - 2100	Wavelength Range (nm):
Sensor	
Pyroelectric	Type of Sensor:
Electrical	
50	Maximum Repetition Rate (pps):
20	Maximum Incident Beam Power (W):
Hardware & Interface Connectivity	
USB	Connector:
3.0	Length of Cable (m):
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.