

Coherent® EnergyMax 1110576 | 250μJ-500mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

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1

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£1,683⁰⁰

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SPECIFICATIONS

General

Model Number:

J-50MB-LE
Coherent Part Number: 1110576

Type:

Meter required	
±3	Linearity (%):
±2	Calibration Uncertainty (%):
<8	Noise Equivalent Energy (μJ):
#88-412 or #35-203	Compatible Meters:
500mJ/cm² (10ns, 1064nm)	Maximum Incident Energy Density:
250μJ - 500mJ	Energy Range:
#66-277	Preferred Meter:
Physical & Mechanical Properties	
50	Active Area Diameter (mm):
Optical Properties	
1064	Calibration Wavelength (nm):
57	Maximum Pulse Width (μs):
190 - 12000	Wavelength Range (nm):
Sensor	
Pyroelectric	Type of Sensor:
Electrical	
300	Maximum Repetition Rate (pps):
10	Maximum Incident Beam Power (W):
Hardware & Interface Connectivity	
DB25	Connector:
2.5	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.