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Coherent® EnergyMax 1110744 | Nd:YAG Sensor, 1.5mJ-3J, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock **#66-278** **6 In Stock**

⊖ 1 ⊕ £1,660⁰⁰

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General

Model Number:

J-50MB-YAG
Coherent Part Number: 1110744

Type:

[Meter required](#)

Linearity (%):

±3

Calibration Uncertainty (%):

±2

<50	Noise Equivalent Energy (μJ):
#35-203 , #66-277 , #88-412	Compatible Meters:
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:
1.5mJ - 3J	Energy Range:
#66-277	Preferred Meter:
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	
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.