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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**

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General

Model Number:

J-50MB-YAG
Coherent Part Number: 1110744

Type:

Meter required

Linearity (%):

±3

Calibration Uncertainty (%):

±2

Noise Equivalent Energy (µJ):
<50

Compatible Meters:
#35-203, #66-277, #88-412

Maximum Incident Energy Density:
14J/cm^2 (10ns, 1064nm)
2.8J/cm^2 (10ns, 532nm)
0.75J/cm^2 (10ns, 355nm)
1.0J/cm^2 (10ns, 266nm)

Energy Range:
1.5mJ - 3J

Preferred Meter:
#66-277

Physical & Mechanical Properties

Active Area Diameter (mm):
35

Optical Properties

Calibration Wavelength (nm):
1064

Maximum Pulse Width (µs):
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:
DB25

Length of Cable (m):
2.5

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

Certificate of Conformance:
View

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.

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