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Coherent® EnergyMax 1110572 | 500μJ-1000mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #12-391 **2 In Stock**

⊖ 1 ⊕ A\$3,544⁰⁰

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General

Model Number:
J-50MUV-248 w/ Diffuser
Coherent Part Number: 1110572

Type:
[Meter required](#)

Linearity (%):
±3

Calibration Uncertainty (%):
±3

Noise Equivalent Energy (μ J):

<16

Compatible Meters:

[#35-203](#)

Maximum Incident Energy Density:
520mJ/cm² (10ns, 248nm)

Energy Range:

500 μ J - 1J

Preferred Meter:

[#88-412](#)

Physical & Mechanical Properties

Active Area Diameter (mm):

50

Optical Properties

Calibration Wavelength (nm):

248

Maximum Pulse Width (μ s):

86

Wavelength Range (nm):

190 - 266

Sensor

Type of Sensor:

Pyroelectric

Electrical

Maximum Repetition Rate (pps):

200

Maximum Incident Beam Power (W):

15

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.