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

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Coherent® EnergyMax Laser Energy Sensors

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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 (µJ):
<16

Compatible Meters:
#35-203

Maximum Incident Energy Density:
520mJ/cm^2 (10ns, 248nm)

Energy Range:
500µJ - 1J

Preferred Meter:
#88-412

Physical & Mechanical Properties

Active Area Diameter (mm):
50

Optical Properties

Calibration Wavelength (nm):
248

Maximum Pulse Width (µs):
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.

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