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Coherent® EnergyMax 1110747 | 50µJ-100mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

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⊖ 1 ⊕ **A\$3,216⁰⁰**

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General

Model Number:
J-25MT-10KHZ
Coherent Part Number: 1110747

Type:
[Meter required](#)

Linearity (%):
±3

Calibration Uncertainty (%):
±2

<2 **Noise Equivalent Energy (μ J):**

[#35-203](#) **Compatible Meters:**

Maximum Incident Energy Density:
500mJ/cm² (10ns, 1064nm)

Energy Range:
50 μ J - 100mJ

[#88-412](#) **Preferred Meter:**

Physical & Mechanical Properties

Active Area Diameter (mm):
25

Optical Properties

Calibration Wavelength (nm):
1064

Maximum Pulse Width (μ s):
1.7

Wavelength Range (nm):
190 - 2100

Sensor

Type of Sensor:
Pyroelectric

Electrical

Maximum Repetition Rate (pps):
10000

Maximum Incident Beam Power (W):
10

Hardware & Interface Connectivity

Connector:
DB25

Length of Cable (m):
2.5

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.