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# Coherent® EnergyMax 1191441 | 50μJ - 50mJ, USB

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Coherent® EnergyMax Laser Energy Sensors

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## Product Downloads

### General

**Model Number:**  
J-25MB-LE  
Coherent Part Number: 1191441

**Type:**  
Meterless

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

Noise Equivalent Energy ( $\mu\text{J}$ ):

<5

Maximum Incident Energy Density:

500mJ/cm<sup>2</sup> (10ns, 1064nm)

Energy Range:

50 $\mu\text{J}$  - 50mJ

## Physical & Mechanical Properties

Active Area Diameter (mm):

25

## Optical Properties

Calibration Wavelength (nm):

1064

Maximum Pulse Width ( $\mu\text{s}$ ):

17

Wavelength Range (nm):

190 - 12000

## Sensor

Type of Sensor:

Pyroelectric

## Electrical

Maximum Repetition Rate (pps):

1000

Maximum Incident Beam Power (W):

5

## Hardware & Interface Connectivity

Connector:

USB

Length of Cable (m):

3.0

## 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.