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Coherent® EnergyMax 1191436 | 12μJ - 20mJ, USB

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Coherent® EnergyMax Laser Energy Sensors

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⊖ 1 ⊕ €2.705⁰⁰

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General

Model Number:

J-10MB-HE
Coherent Part Number: 1191436

Type:

Meterless

Linearity (%):

±3

Calibration Uncertainty (%):

±2

<1.2 **Noise Equivalent Energy (μ J):**

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

12 μ J - 20mJ **Energy Range:**

Physical & Mechanical Properties

10 **Active Area Diameter (mm):**

Optical Properties

1064 **Calibration Wavelength (nm):**

17 **Maximum Pulse Width (μ s):**

190 - 12000 **Wavelength Range (nm):**

Sensor

Pyroelectric **Type of Sensor:**

Electrical

1000 **Maximum Repetition Rate (pps):**

4 **Maximum Incident Beam Power (W):**

Hardware & Interface Connectivity

USB **Connector:**

3.0 **Length of Cable (m):**

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.