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# Coherent® EnergyMax 1110843 | 10μJ-20mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock **#66-280** **1 In Stock**

S\$2,191<sup>00</sup>

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**General**

**Model Number:**  
J-10MB-HE  
Coherent Part Number: 1110843

**Type:**  
[Meter required](#)

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

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

<0.5

Compatible Meters:

[#35-203](#), [#66-277](#), [#88-412](#)

Maximum Incident Energy Density:  
500mJ/cm<sup>2</sup> (10ns, 1064nm)

Energy Range:  
10 $\mu\text{J}$  - 20mJ

Preferred Meter:

[#88-412](#)

## Physical & Mechanical Properties

Active Area Diameter (mm):  
10

## 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):  
4

## 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.