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# Coherent® EnergyMax 1110744 | Nd:YAG Sensor, 1.5mJ-3J, DB25

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Coherent® EnergyMax Laser Energy Sensors

Stock #66-278 **6 In Stock**

⊖ 1 ⊕ MRP ₹2,20,365

📌 Price inclusive of all taxes

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Qty 1+	₹2,20,365 each
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**General**

**Model Number:**  
J-50MB-YAG  
Coherent Part Number: 1110744

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

**Linearity (%):**  
±3

**Calibration Uncertainty (%):**  
±2

Noise Equivalent Energy ( $\mu\text{J}$ ):  
<50

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

Maximum Incident Energy Density:  
14J/cm<sup>2</sup> (10ns, 1064nm)  
2.8J/cm<sup>2</sup> (10ns, 532nm)  
0.75J/cm<sup>2</sup> (10ns, 355nm)  
1.0J/cm<sup>2</sup> (10ns, 266nm)

Energy Range:  
1.5mJ - 3J

Preferred Meter:  
[#66-277](#)

## Physical & Mechanical Properties

Active Area Diameter (mm):  
35

## Optical Properties

Calibration Wavelength (nm):  
1064

Maximum Pulse Width ( $\mu\text{s}$ ):  
340

Wavelength Range (nm):  
266 - 2100

## Sensor

Type of Sensor:  
Pyroelectric

## Electrical

Maximum Repetition Rate (pps):  
50

Maximum Incident Beam Power (W):  
20

## 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](#)

Country of Origin:  
United States

Imported By:  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
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## 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.