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# Coherent® EnergyMax 1191437 | Nd:YAG Sensor, 2.4mJ-3J, USB

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Coherent® EnergyMax Laser Energy Sensors

Stock **#88-421** 1 In Stock

-

1

+

£2,560<sup>00</sup>

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| Qty 1+         | £2,560.00 each                |
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**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                                     |  |
|---------------------------------------------|--|
| Model Number:                               |  |
| J-50MB-YAG<br>Coherent Part Number: 1191437 |  |
| Type:                                       |  |
| Meterless                                   |  |
| Linearity (%):                              |  |
| ±3                                          |  |
| Calibration Uncertainty (%):                |  |
| ±2                                          |  |

|                                                                                                                                                       |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <240                                                                                                                                                  | Noise Equivalent Energy (μJ):    |
| 14J/cm <sup>2</sup> (10ns, 1064nm)<br>2.8J/cm <sup>2</sup> (10ns, 532nm)<br>0.75J/cm <sup>2</sup> (10ns, 355nm)<br>1.0J/cm <sup>2</sup> (10ns, 266nm) | Maximum Incident Energy Density: |

|            |               |
|------------|---------------|
| 2.4mJ - 3J | Energy Range: |
|------------|---------------|

Physical & Mechanical Properties

|    |                            |
|----|----------------------------|
| 35 | Active Area Diameter (mm): |
|----|----------------------------|

Optical Properties

|      |                              |
|------|------------------------------|
| 1064 | Calibration Wavelength (nm): |
|------|------------------------------|

|     |                           |
|-----|---------------------------|
| 340 | Maximum Pulse Width (μs): |
|-----|---------------------------|

|            |                        |
|------------|------------------------|
| 266 - 2100 | Wavelength Range (nm): |
|------------|------------------------|

Sensor

|              |                 |
|--------------|-----------------|
| Pyroelectric | Type of Sensor: |
|--------------|-----------------|

Electrical

|    |                                |
|----|--------------------------------|
| 50 | Maximum Repetition Rate (pps): |
|----|--------------------------------|

|    |                                  |
|----|----------------------------------|
| 20 | Maximum Incident Beam Power (W): |
|----|----------------------------------|

Hardware & Interface Connectivity

|     |            |
|-----|------------|
| USB | Connector: |
|-----|------------|

|     |                      |
|-----|----------------------|
| 3.0 | Length of Cable (m): |
|-----|----------------------|

Regulatory Compliance

|                        |            |
|------------------------|------------|
| <a href="#">Exempt</a> | RoHS 2015: |
|------------------------|------------|

|                                  |            |
|----------------------------------|------------|
| <a href="#">Contains SVHC(s)</a> | Reach 224: |
|----------------------------------|------------|

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | 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-50IMB-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.