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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**

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1

+

C\$4,480^{.00}

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Qty 1+	C\$4,480.00 each
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General	
Model Number:	
J-50MB-YAG Coherent Part Number: 1191437	
Type:	
Meterless	
Linearity (%):	
±3	
Calibration Uncertainty (%):	
±2	

	Noise Equivalent Energy (μJ):
	<240
	Maximum Incident Energy Density:
	14J/cm ² (10ns, 1064nm)
	2.8J/cm ² (10ns, 532nm)
	0.75J/cm ² (10ns, 355nm)
	1.0J/cm ² (10ns, 266nm)
	Energy Range:
	2.4mJ - 3J
Physical & Mechanical Properties	
	Active Area Diameter (mm):
	35
Optical Properties	
	Calibration Wavelength (nm):
	1064
	Maximum Pulse Width (μs):
	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:
	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.