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Coherent® EnergyMax 1110747 | 50μJ-100mJ, DB25

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Coherent® EnergyMax Laser Energy Sensors

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1

+

C\$2,814^{.00}

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General	
J-25MT-10KHZ Coherent Part Number: 1110747	
Model Number:	
Type:	
Meter required	
Linearity (%):	
±3	
Calibration Uncertainty (%):	
±2	

<2	Noise Equivalent Energy (μJ):
	Compatible Meters:
#35-203	

Maximum Incident Energy Density: 500mJ/cm ² (10ns, 1064nm)	
50μJ - 100mJ	Energy Range:

Preferred Meter:	
#88-412	

Physical & Mechanical Properties

Active Area Diameter (mm):	
25	

Optical Properties

Calibration Wavelength (nm):	
1064	
Maximum Pulse Width (μs):	
1.7	

Wavelength Range (nm):	
190 - 2100	

Sensor

Type of Sensor:	
Pyroelectric	

Electrical

Maximum Repetition Rate (pps):	
10000	
Maximum Incident Beam Power (W):	
10	

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.