

Coherent® EnergyMax 1110573 | 1000μJ-2000mJ, DB25

#12-388



Coherent® EnergyMax Laser Energy Sensors

Coherent® EnergyMax Laser Energy Sensors는 요건이 까다로운 다양한 레이저 측정 용도를 위해 설계되었습니다. 이 energy sensor는 미터기 또는 미터기가 없는 USB 형태로 이용이 가능하고, 정반사(specular reflection)를 최소화 하기 위해 분산 코팅이 적용되었으며, 넓은 활성 영역을 특징으로 합니다. J-50MB-YAG는 최대 3J까지의 고에너지 레이저와 사용할 수 있도록 Max-Black 코팅을 디퓨저와 결합시켜줍니다. Coherent® EnergyMax Laser Energy Sensors는 온보드 센서를 활용해 온도 보정 기능을 자동으로 수행하기 때문에 측정 정확도가 향상됩니다.

General

Model Number:	J-50MB-HE Coherent Part Number: 1110573
Type:	Meter required
Linearity (%):	±3
Calibration Uncertainty (%):	±2
Noise Equivalent Energy (μJ):	<33
Compatible Meters:	#88-412 or #35-203
Maximum Incident Energy Density:	500mJ/cm ² (10ns, 1064nm)
Energy Range:	1mJ - 2J
Preferred Meter:	#66-277

Physical & Mechanical Properties

Active Area Diameter (mm):	50
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Optical Properties

Calibration Wavelength (nm):	1064
Maximum Pulse Width (μs):	57
Wavelength Range (nm):	190 - 12000

Sensor

Type of Sensor:	Pyroelectric
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Electrical

Maximum Repetition Rate (pps):	300
Maximum Incident Beam Power (W):	10

Hardware & Interface Connectivity

Connector:	DB25
Length of Cable (m):	2.5



June 21, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
12-388	Coherent® EnergyMax 1110573 1000μJ-2000mJ, DB25

This item is EU RoHS (2015/863/EU) exempt based on **Exemption 6c**: Copper alloy containing up to 4 % lead by weight, and **Exemption 7c-l**: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance

June 21, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com



June 21, 2025

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This item contains substances listed on the REACH SVHC list as of 10 June 2022 in quantities exceeding 0.1% weight by weight, please contact compliance@edmundoptics.com if you require more information.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

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재고 번호

12-388

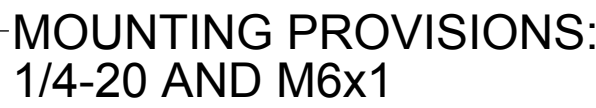
제품설명

Coherent® EnergyMax 1110573 | 1000μJ-2000mJ, DB25

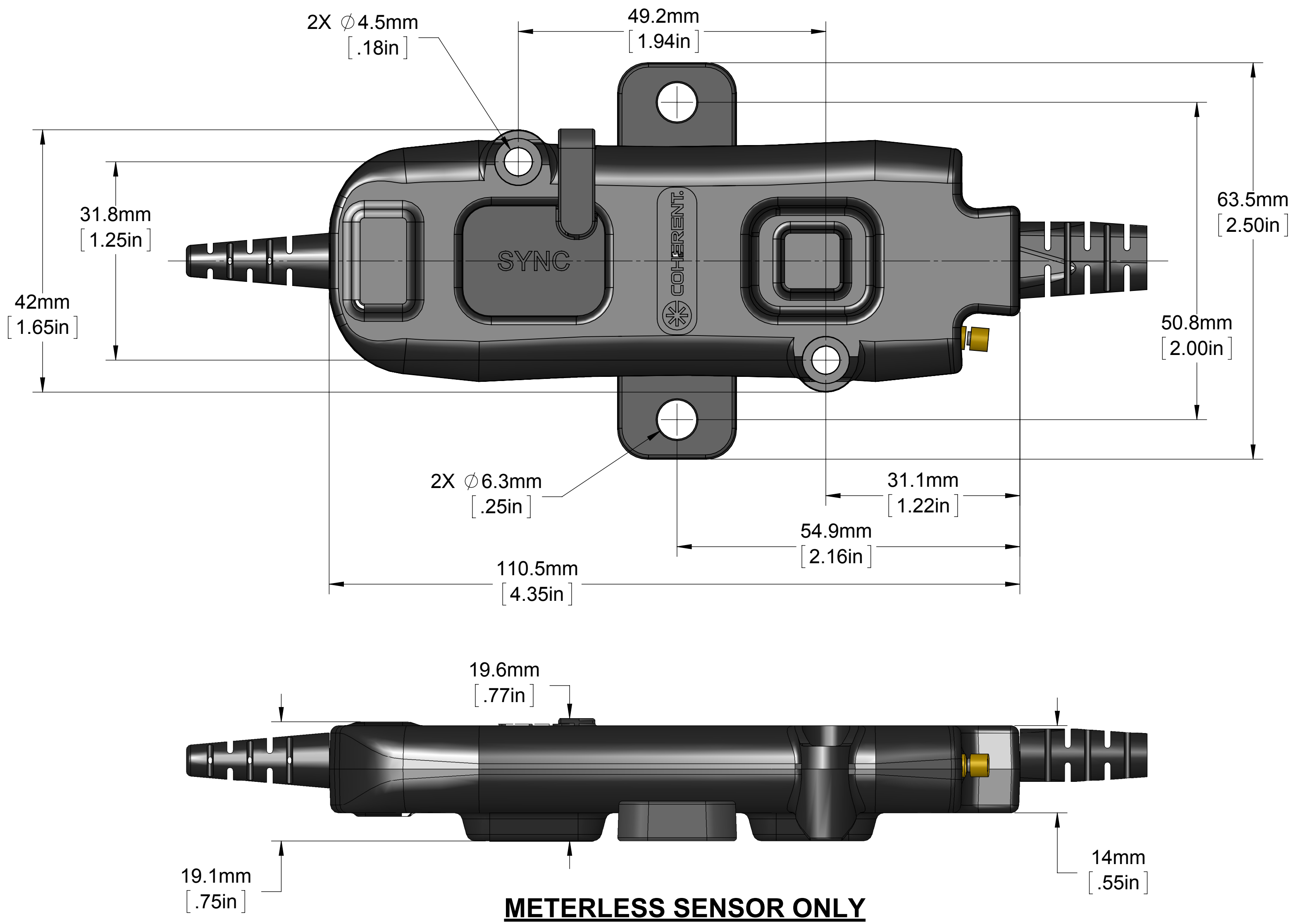
Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



1110572	J-50MUV-248, W/ DIFFUSER EnergyMax Sensor
1110573	J-50MB-HE EnergyMax Sensor
1110574	J-50MT-10KHZ EnergyMax Sensor
1110575	J-50MUV-193, W/ DIFFUSER EnergyMax Sensor
1110576	J-50MB-LE EnergyMax Sensor
1110744	J-50MB-YAG EnergyMax Sensor
1143721	J-50MB-LE-5m EnergyMax Sensor w/ 5m CABLE
1144701	J-50MB-YAG-1528 Custom EnergyMax Sensor
1146237	J-50MUV-193, No Diffuser EnergyMax Sensor
1146243	J-50MUV-248, No Diffuser EnergyMax Sensor
1151431	J-50MB-YAG-1535, Custom EnergyMax Sensor
1153825	S-1538, System comprised of FieldMaxII-TOP, J-50MB-YAG, PM150-50C, J-25MB-HE
1155722	J-50MB-IR EnergyMax Sensor
1170180	J-50MUV-193-0.6m, No Diffuser EnergyMax Sensor
1174756	J-50MB-YAG-1561 EnergyMax Sensor
1185709	J-50MT-10KHZ-1571, Low Energy, EnergyMax Sensor
1191430	EnergyMax-RS J-50MB-YAG Energy Sensor
1191432	EnergyMax-RS J-50MB-HE Energy Sensor
1191433	EnergyMax-RS J-50MT-10KHZ Energy Sensor
1191437	EnergyMax-USB J-50MB-YAG Energy Sensor
1191438	EnergyMax-USB J-50MB-YAG-1535 Energy Sensor
1191439	EnergyMax-USB J-50MB-YAG-1528 Energy Sensor
1191440	EnergyMax-USB J-50MB-IR Energy Sensor
1191443	EnergyMax-USB J-50MB-LE Energy Sensor
1191444	EnergyMax-USB J-50MB-HE Energy Sensor
1191447	EnergyMax-USB J-50MT-10KHZ Energy Sensor
1191449	EnergyMax-USB J-50MUV-248 w/Diffuser Energy Sensor
1195451	S-1576 -- Kit of 3 FieldMaxII-TOP,1 LabMax-TOP, 4 J-50MB-YAG, 4 Lrg Heat Sink
1208286	EnergyMax-USB J-50MT-10KHZ-1571 Energy Sensor
1219962	EnergyMax-RS J-50MB-YAG-1535 Energy Sensor
1233626	J-50MB-HE-5m EnergyMax Sensor
1289935	EnergyMax-USB J-50MUV-193 w/o Diffuser Energy Sensor
PART NUMBER	DESCRIPTION



 COHERENT®		5100 Patrick Henry Drive Santa Clara, CA 95054 www.coherent.com	
Title: J-50 Energy Sensor Family		PART NUMBER: See Chart	
 THIRD ANGLE PROJECTION		PROPRIETARY NOTICE: THIS DOCUMENT IS THE PROPERTY OF COHERENT, INC. AND CONTAINS PROPRIETARY INFORMATION AND IS DELIVERED ON THE EXPRESS CONDITION THAT IT AND THE INFORMATION CONTAINED THEREIN ARE NOT TO BE USED, DISCLOSED OR REPRODUCED IN WHOLE OR IN PART FOR ANY PURPOSE (INCLUDING MANUFACTURE FOR ANYONE OTHER THAN COHERENT) WITHOUT THE EXPRESS WRITTEN CONSENT OF COHERENT.	
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