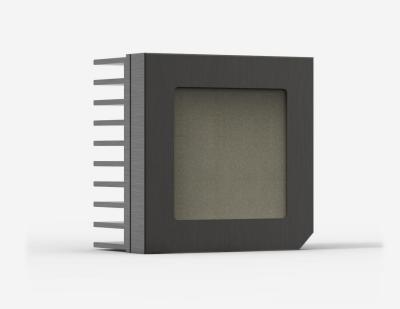


## OE50LP-H-MB-D0

Pyroelectric detector for laser energy measurement up to 15 J.



## PRODUCT FAMILY KEY FEATURES

## MODULAR CONCEPT

Increase the power capability of your detector: 2 different cooling modules

## LOW NOISE LEVEL

 $10 \mu J$  for the MB coating

## **QED ATTENUATOR AVAILABLE**

Measure up to 5X higher energies. Available with optional calibration, all wavelengths between 532 & 1064 nm, or single wavelength. Read more.

75H x 75W x 44D mm

## HIGH REPETITION RATE OPTIONS

- QE-MB: 200 Hz (standard)
- QE-MB: 500 Hz (upon request)
- QE-MT: 4 000 Hz (standard)

#### **TEST TARGET INCLUDED**

With the MR models

#### **SMART INTERFACE**

Containing all the calibration data

#### **COMPATIBLE STAND**

STAND-D-233

# **SPECIFICATIONS**

## **MEASUREMENT CAPABILITIES**

Spectral range <sup>1</sup>	0.193 - 20 μm
Typical rise time	900 µs
Repeatability	<0.5%
Maximum repetition frequency	200 Hz
Maximum measurable energy $^2$	15 J
Noise equivalent energy <sup>3</sup>	10 µЈ
Maximum pulse width	675 µs
Energy calibration uncertainty	±3 %
1. For the calibrated spectral range, see the user manual.	

- 2. At 1064 nm, 7 ns, 10 Hz. Increasing pulse width increases maximum measurable energy.
- 3. Nominal value. Actual value depends on electrical noise in the measurement system.

## DAMAGE THRESHOLDS

Maximum average power density <sup>1</sup>	10 W/cm <sup>2</sup>
Maximum energy density <sup>2</sup>	0.6 J/cm²
Maximum power	20 W

- 1. May vary with wavelength and average power.
- 2. At 1064 nm, 7 ns, 10 Hz. May vary with wavelength and pulse width.

## PHYSICAL CHARACTERISTICS

Dimensions

PHYSICAL CHARACTERISTICS	
Cooling	Convection (heatsink)
Aperture width	50 mm
Aperture height	50 mm
Absorber	МВ

Weight	0.34 kg
ORDERING INFORMATION	
QE50LP-H-MB-D0	200481
QE50LP-H-MB-INT-D0	202746
QE50LP-H-MB-IDR-D0	203276
QE50LP-H-MB-INE-D0	

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

# **INTERESTED IN THIS PRODUCT?**



Find your local sales representative at gentec-eo.com/contact-us