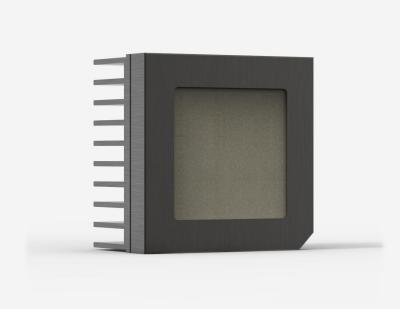


OE50LP-H-MB-D0

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 ¹	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 ³	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 ¹	10 W/cm ²
Maximum energy density ²	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