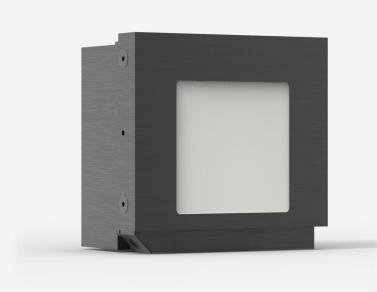


# QE50LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 85 J.



### PRODUCT FAMILY KEY FEATURES

#### MODULAR CONCEPT

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

LOW NOISE LEVEL

10 µJ 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.

0.3 - 2.1 µm

900 µs

<0.5%

200 Hz

85 J

20 µJ 675 µs

±3 %

Convection (heatcink)

## 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 MB models

#### SMART INTERFACE

Containing all the calibration data

## COMPATIBLE STAND

STAND-D-233

# SPECIFICATIONS

# MEASUREMENT CAPABILITIES Spectral range<sup>1</sup> Typical rise time Repeatability Maximum repetition frequency Maximum measurable energy<sup>2</sup> Noise equivalent energy<sup>3</sup> Maximum pulse width Energy calibration uncertainty

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>	600 W/cm <sup>2</sup>
Maximum energy density <sup>2</sup>	8 J/cm²
Maximum power	45 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

Coo	lina
000	mg

Cooling	Convection (neatsink)
Aperture width	47 mm
Aperture height	47 mm
Absorber	QED
Dimensions	78H x 80W x 49D mm

ORDERING INFORMATION	
QE50LP-H-MB-QED-D0	202187
QE50LP-H-MB-QED-INE-D0	
QE50LP-H-MB-QED-INT-D0	202748
QE50LP-H-MB-QED-IDR-D0	203278

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

# **INTERESTED IN THIS PRODUCT?**

GET A QUOTE

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