gentec-⊙

QE50LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 85 J.

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.

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[1]	0.3 - 2.1 μm
Typical rise time	900 μs
Repeatability	<0.5%
Maximum repetition frequency	200 Hz
Typical energy sensitivity	3 V/J
Maximum measurable energy[2]	85 J
Noise equivalent energy[3]	20 μJ
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. May vary with wavelength and pulse width.
3. Nominal value. Actual value depends on electrical noise in the measurement system.

DAMAGE THRESHOLDS

Maximum average power density[1]	600 W/cm²
Maximum energy density[2]	8 J/cm²
Maximum power	45 W

1. May vary with wavelength and average power.
2. At 1064 nm, 7 ns, 10 Hz. Damage thresholds vary with pulse width. Use our Product Finder or contact Gentec-EO to know about damage thresholds for different pulse widths.

PHYSICAL CHARACTERISTICS

Cooling	Convection (heatsink)
Aperture width	47 mm
Aperture height	47 mm
Absorber	QED

Dimensions	78H x 80W x 49D mm
Weight	0.34 kg

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