gentec-e
PARTNERS for ACCURACY

QE65LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 50 J.

PRODUCT FAMILY KEY FEATURES

MODULAR CONCEPT

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

LARGE APERTURE

Effective aperture of 65 x 65 mm

QED ATTENUATOR AVAILABLE

Measure higher energy levels. Available with optional calibration, all wavelengths between 532 and 1064 nm, or single wavelength. Read more.

LOW NOISE LEVEL

10 µJ for the MB coating

TEST TARGET INCLUDED

With the MB models

SMART INTERFACE

Containing all the calibration data

COMPATIBLE STAND

STAND-D-443

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range[1]	0.3 - 2.1 µm
Typical rise time	1 ms
Repeatability	<0.5%
Maximum repetition frequency	100 Hz
Maximum measurable energy[2]	50 J
Noise equivalent energy[3]	20 µJ
Maximum pulse width	0.7 ms
Energy calibration uncertainty	±3 %

1. For the calibrated spectral range, see the user manual.
2. At 1064 nm, 7 ns, single-shot. 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]	600 W/cm²
Maximum energy density[2]	8 J/cm²
Maximum power	90 W

1. May vary with wavelength and average power.
2. At 1064 nm, 7 ns, 10 Hz. May vary with wavelength and pulse width. With QED diffuser, derate these values by 60 % for pulse energies greater than 0.5 J.

PHYSICAL CHARACTERISTICS

Cooling	Convection (heatsink)
Aperture width	62 mm
Aperture height	62 mm
Absorber	QED
Dimensions	95H x 97W x 104D mm
Weight	0.9 kg

ORDERING INFORMATION

QE65LP-H-MB-QED-D0	202191

QE65LP-H-MB-QED-INE-D0	
QE65LP-H-MB-QED-IDR-D0	203294
QE65LP-H-MB-QED-INT-D0	202764

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