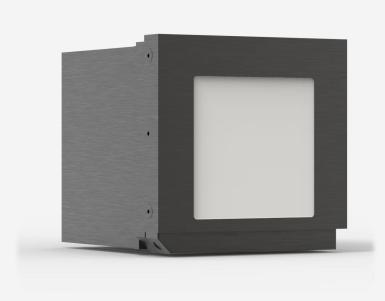




QE65LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 200 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 up to 5X higher energies. Available with optional calibration, all wavelengths between 532 & 1064 nm, or single wavelength. Read more.

202191

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 range¹

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	200 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, 150 µs, single-shot. Increasing pulse width increases maximum measurable energy.
- ${\it 3. Nominal value.} \ {\it Actual value depends on electrical noise in the measurement system.}$

DAMAGE THRESHOLDS

Maximum average power density ¹	600 W/cm ²
Maximum energy density ²	8 J/cm ²
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.

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





 QE65LP-H-MB-QED-INE-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