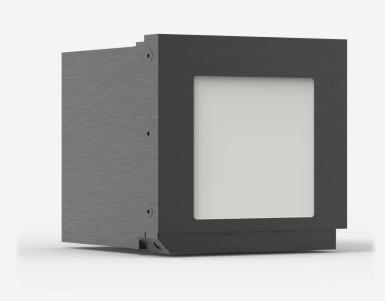




# QE65LP-H-MB-QED-D0

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 range<sup>1</sup>

Spectral range <sup>1</sup>	0.3 - 2.1 μm
Typical rise time	1 ms
Repeatability	<0.5%
Maximum repetition frequency	100 Hz
Maximum measurable energy <sup>2</sup>	200 J
Noise equivalent energy <sup>3</sup>	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 <sup>1</sup>	600 W/cm <sup>2</sup>
Maximum energy density <sup>2</sup>	8 J/cm <sup>2</sup>
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