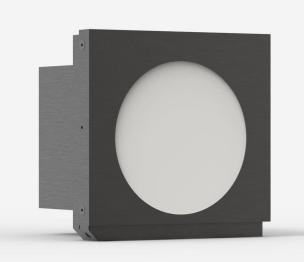


## QE95LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 250 J.



### PRODUCT FAMILY KEY FEATURES

MODULAR CONCEPT

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

**EXTRA LARGE APERTURE** Effective aperture of 95 mm Ø

QED ATTENUATOR AVAILABLE

Measure up to 5X higher energies. Available with optional calibration, all wavelengths between 532 & 1064 nm, or single wavelength. Read more.

LOW NOISE LEVEL

**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>	0.3 - 2.1 μm
Typical rise time	2 ms
Repeatability	<0.5%
Maximum repetition frequency	40 Hz
Maximum measurable energy <sup>2</sup>	250 J
Noise equivalent energy <sup>3</sup>	30 µJ
Maximum pulse width	1.5 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.

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	90 W

May vary with wavelength and average power.
At 1064 nm, 7 ns, 10 Hz. May vary with wavelength and pulse width.

#### PHYSICAL CHARACTERISTICS

Cooling	Convection (heatsink)
Aperture diameter	90 mm
Absorber	QED
Dimensions	125H x 127W x 104D mm
Weight	1.2 kg
ORDERING INFORMATION	

QE95LP-H-MB-QED-D0	202195
QE95LP-H-MB-QED-IDR-D0	203307

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