



# QE25LP-S-MB-D0

Pyroelectric detector for laser energy measurement up to 3.8 J.



#### PRODUCT FAMILY KEY FEATURES

## MODULAR CONCEPT

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

#### LOW NOISE LEVEL

2 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. Rea

50H x 50W x 14D mm

### HIGH REPETITION RATE OPTIONS

- QE25HR-MB: 1 000 Hz
- QE25HR-MT: 10 000 Hz

#### **TEST TARGET INCLUDED**

With the MB models

#### **SMART INTERFACE**

Containing all the calibration data

### **COMPATIBLE STAND**

STAND-D-233

# **SPECIFICATIONS**

## **MEASUREMENT CAPABILITIES**

Spectral range <sup>1</sup>	0.193 - 20 μm
Typical rise time	550 µs
Repeatability	<0.5%
Maximum repetition frequency <sup>2</sup>	300 Hz
Maximum measurable energy <sup>3</sup>	3.8 J
Noise equivalent energy <sup>4</sup>	4 µJ
Maximum pulse width	400 µs
Energy calibration uncertainty	±3 %

- 1. For the calibrated spectral range, see the user manual.
- 2. May be limited by the display or PC interface. Please refer to the corresponding user manual. 3. At 1064 nm, 7 ns, 10 Hz. Increasing pulse width increases maximum measurable energy.
- 4. Nominal value. Actual value depends on electrical noise in the measurement system.

## DAMAGE THRESHOLDS

Maximum average power density <sup>1</sup>	10 W/cm²
Maximum energy density <sup>2</sup>	0.6 J/cm²
Maximum power	5 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

Dimensions

Cooling	Convection
Aperture width	25 mm
Aperture height	25 mm
Absorber	МВ

0.12 kg Weight





ORDERING INFORMATION	
QE25LP-S-MB-D0	200455
QE25LP-S-MB-INT-D0	202381
QE25LP-S-MB-IDR-D0	203267
QE25LP-S-MB-INE-D0	

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