

## QE95ELP-H-MB-D0

Pyroelectric detector for laser energy measurement up to 70 J.



### 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

15 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>	0.193 - 20 µm
Typical rise time	6 ms
Repeatability	<0.5%
Maximum repetition frequency	10 Hz
Typical energy sensitivity	0.6 V/J
Maximum measurable energy <sup>2</sup>	70 J
Noise equivalent energy <sup>3</sup>	30 µJ
Maximum pulse width	5 ms
Energy calibration uncertainty	±3 %

1. For the calibrated spectral range, see the user manual.

2. At 1064 nm, 7 ns, 10 Hz. 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>	10 W/cm <sup>2</sup>
Maximum energy density <sup>2</sup>	0.6 J/cm <sup>2</sup>
Maximum power	40 W

1. At 1064 nm, 7 ns, 10 Hz.

2. At 1064 nm, 7 ns, 10 Hz.

### PHYSICAL CHARACTERISTICS

Aperture diameter	95 mm
Absorber	MB
Dimensions	122H x 122W x 98D mm
Weight	1.2 kg

### ORDERING INFORMATIONS

QE95ELP-H-MB-D0	201313
QE95ELP-H-MB-IDR-D0	

## INTERESTED IN THIS PRODUCT?

GET A QUOTE

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