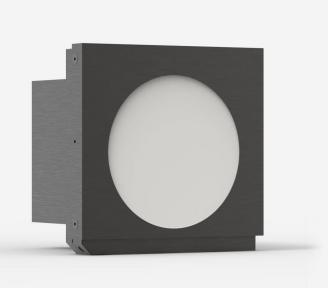


# QE95LP-H-MB-QED-D0

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.

1.2 kg

## 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>	0.3 - 2.1 μm
Typical rise time	2 ms
Repeatability	<0.5%
Maximum repetition frequency	40 Hz
Maximum measurable energy <sup>2</sup>	250 Ј
Noise equivalent energy <sup>3</sup>	30 µЈ
Maximum pulse width	1.5 ms
Energy calibration uncertainty	±3 %
1. Fanatha and Branchard and a standard and a stand	

- 1. For the calibrated spectral range, see the user manual.
- 2. At 1064 nm, 150  $\mu$ s, 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/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 diameter	90 mm
Absorber	QED
Dimensions	125H x 127W x 104D mm

## ORDERING INFORMATION

Weight

ORDERING IN ORDER	
QE95LP-H-MB-QED-D0	202195
QE95LP-H-MB-QED-IDR-D0	203307

QE95LP-H-MB-QED-INE-D0

QE95LP-H-MB-QED-INT-D0 202776

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

# **INTERESTED IN THIS PRODUCT?**



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