

QE65ELP-H-MB-D0

P/N 201280

Pyroelectric detector for laser energy measurement up to 50 J.



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.](#)

LOW NOISE LEVEL

10 μ J for the MB coating

TEST TARGET INCLUDED

With the MB models

SMART INTERFACE

Containing all the calibration data

COMPATIBLE STAND

[STAND-D-443](#)

COMPATIBLE DISPLAYS & PC INTERFACES

[MAESTRO](#)

[S-LINK-1](#)

[S-LINK-2](#)

[M-LINK](#)

[S-LINK-1 \(Ethernet\)](#)

[S-LINK-2 \(Ethernet\)](#)

MEASUREMENT CAPABILITIES

Spectral range ¹	0.19 - 20 μ m
Typical rise time	6 ms
Repeatability	<0.5%
Maximum repetition frequency	20 Hz
Typical energy sensitivity	1.5 V/J
Maximum measurable energy ²	50 J
Noise equivalent energy ³	20 μ J
Maximum pulse width	5 ms
Energy calibration uncertainty	\pm 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 ¹	10 W/cm ²
Maximum energy density ²	0.6 J/cm ²
Maximum power	40 W

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

PHYSICAL CHARACTERISTICS

Aperture width	65 mm
Aperture height	65 mm
Absorber	MB
Dimensions	90H x 90W x 94D mm
Weight	0.9 kg

