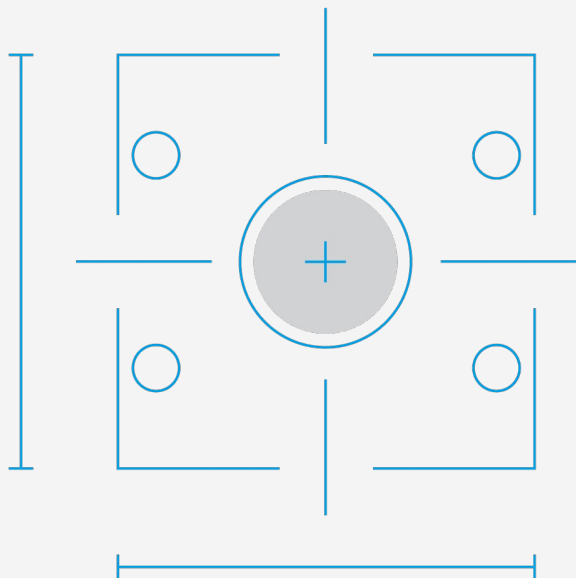


QE195LP-H-MB-QED-D0

Pyroelectric detector for laser energy measurement up to 700 J.



PRODUCT FAMILY KEY FEATURES

CUSTOM-BUILT

[Contact us](#) with your requirements for a version tailored to your needs

MODULAR CONCEPT

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

EXTRA LARGE APERTURE

Effective aperture of 195 mm Ø

QED ATTENUATOR AVAILABLE

Measure higher energy levels and with higher damage thresholds.
[Read more.](#)

TEST TARGET INCLUDED

With the MB models

SMART INTERFACE

Containing all the calibration data

AWARD-WINNING TECHNOLOGY

The QE195 series of laser energy detectors was recognized among the most innovative photonics technologies for the [2024 Laser Focus World Innovators Awards](#), as a Platinum honoree.



COMPATIBLE STAND

[STAND-D-443](#)

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range ¹	0.3 - 2.1 µm
Repeatability	<0.5%
Maximum repetition frequency ²	200 Hz
Maximum measurable energy ³	700 J
Noise equivalent energy ⁴	200 µJ
Maximum pulse width ⁵	5 ms
Energy calibration uncertainty	±3 %

- 1. For the calibrated spectral range, see the user manual.
- 2. These products are custom-built. Contact us with your requirements for a version tailored to your needs.
- 3. These products are custom-built. Contact us with your requirements for a version tailored to your needs.
- 4. Nominal value. Actual value depends on electrical noise in the measurement system.
- 5. These products are custom-built. Contact us with your requirements for a version tailored to your needs.

DAMAGE THRESHOLDS

Maximum average power density ¹	600 W/cm ²
Maximum energy density ²	8 J/cm ²
Maximum power	350 W

1. May vary with wavelength and average power.
2. At 1064 nm, 7 ns, 10 Hz. May vary with wavelength and pulse width. With QED diffuser, derate these values by 60 % for pulse energies greater than 0.5 J.

PHYSICAL CHARACTERISTICS

Cooling	Convection (heatsink)
Aperture diameter	185 mm
Absorber	QED
Dimensions	229H x 229W x 107D mm
Weight	5.3 kg

ORDERING INFORMATION

QE195LP-H-MB-QED-D0
QE195LP-H-MB-QED-INT-D0
QE195LP-H-MB-QED-INE-D0
QE195LP-H-MB-QED-IDR-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