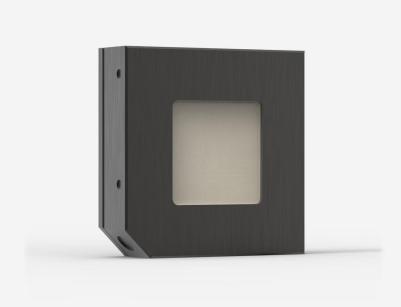


QE25SP-S-MT-D0

Pyroelectric detector for laser energy measurement up to 3.0 J.



PRODUCT FAMILY KEY FEATURES

MODULAR CONCEPT

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

LOW NOISE LEVEL

 $2 \mu J$ 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. Read more.

HIGH REPETITION RATE OPTIONS

- QE25HR-MB:1000 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 ¹	0.193 - 20 μm
Typical rise time	20 µs
Repeatability	<0.5%
Maximum repetition frequency ²	6000 Hz
Maximum measurable energy ³	3 J
Noise equivalent energy ⁴	2 μJ
Maximum pulse width	10 µs
Energy calibration uncertainty	±3 %

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

DAMAGE THRESHOLDS

Maximum average power density ¹	10 W/cm²
Maximum energy density ²	0.5 J/cm ²
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

Cooling	Convection
Aperture width	25 mm
Aperture height	25 mm
Absorber	МТ
Dimensions	50H x 50W x 14D mm

Weight 0.12 kg

INFORMATION

QE25SP-S-MT-D0 200460

QE25SP-S-MT-INT-DO 202385

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

INTERESTED IN THIS PRODUCT?



Find your local sales representative at gentec-eo.com/contact-us