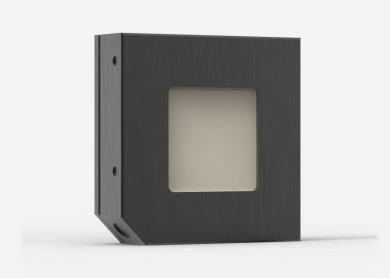




# gentec-e)

## 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 µJ 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 mo

#### HIGH REPETITION RATE OPTIONS

- QE25HR-MB: 1 000 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**

Spectral range <sup>1</sup>	0.193 - 20 µm
Typical rise time	20 µs
Repeatability	<0.5%
Maximum repetition frequency <sup>2</sup>	6000 Hz
Maximum measurable energy <sup>3</sup>	3 J
Noise equivalent energy <sup>4</sup>	2 µJ
Maximum pulse width	10 µs
Energy calibration uncertainty	±3 %

May be limited by the display or PC interface. Please refer to the corresponding user manual.
At 1064 nm, 7 ns, 10 Hz. Increasing pulse width increases maximum measurable energy.

4. 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>	0.5 J/cm <sup>2</sup>
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

Cool	

Weight

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





Instrument Expert Original factory packaging www.dorgean.com

## ORDERING INFORMATION

QE25SP-S-MT-D0

QE25SP-S-MT-INT-D0

200460 202385

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