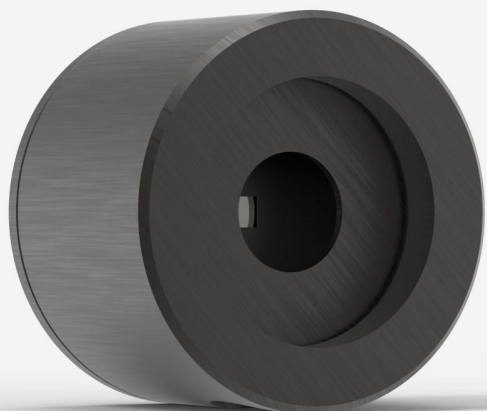


PE3B-IN-D0

Photodiode detector for laser energy measurement up to 245 pJ.



KEY FEATURES

VERY LOW NOISE LEVEL

Take measurements with a noise level as low as 8 fJ with the M-LINK, MAESTRO and S-LINK monitors.

3 SENSORS AVAILABLE

- PE-B-SI family: 3 and 10 mm \varnothing silicon sensors for 0.21 to 1.08 μm
- PE5B-GE: 5 mm \varnothing , germanium sensor for 0.8 to 1.65 μm
- PE3B-IN: 3 mm \varnothing , InGaAs sensor for 0.9 to 1.7 μm

SMART INTERFACE

Containing all the calibration data

COMPATIBLE STAND

[STAND-D-233](#)

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range ¹	900 - 1700 nm
Typical rise time	12 μs
Maximum repetition frequency	1000 Hz
Typical energy sensitivity	10 GV/J
Maximum measurable energy ²	245 pJ
Noise equivalent energy ³	30 fJ
Maximum pulse width	10 μs
Energy calibration uncertainty	$\pm 4\%$ (1310 nm)

1. This detector is NIST-traceable at the calibration wavelength of 1310 nm. Typical values are used at other wavelengths.

2. At 1310 nm. See curves for maximum power at other wavelengths.

3. Nominal value. Actual value depends on environmental electromagnetic interference and wavelength.

DAMAGE THRESHOLDS

Maximum power	1.18 μW
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PHYSICAL CHARACTERISTICS

Aperture diameter	3 mm
Absorber	InGaAs
Dimensions	38.1 \varnothing x 27.4D mm
Weight	0.09 kg

ORDERING INFORMATION

PE3B-In-D0
PE3B-In-INT-D0
PE3B-In-INE-D0
PE3B-In-IDR-D0

INTERESTED IN THIS PRODUCT?

GET A QUOTE

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