



**MEASUREMENT CAPABILITIES** 

PE3B-Si-IDR-D0

## PE3B-SI-D0

Photodiode detector for laser energy measurement up to 24 pJ.



#### PRODUCT FAMILY KEY FEATURES

### **VERY LOW NOISE LEVEL**

Take measurements with a noise level as low as 8 fJ (model PE3B-Si only) with the M-LINK, MAESTRO and S-LINK monitors.

#### **3 SENSORS AVAILABLE**

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

#### SMART INTERFACE

Containing all the calibration data

### **COMPATIBLE STAND**

STAND-D-233

# **SPECIFICATIONS**

Spectral range <sup>1</sup>	210 - 1080 nm
Typical rise time	15 μs
Maximum repetition frequency	1000 Hz
Maximum measurable energy <sup>2</sup>	24 pJ
Noise equivalent energy <sup>3</sup>	8 f)
Maximum pulse width	10 μs
Energy calibration uncertainty	±4 % (634 nm)
<ol> <li>This detector is NIST-traceable at the calibration wavelength of 634 nm. Typical values are used at other wavelengths.</li> <li>At 634 nm. See curves for maximum power at other wavelengths.</li> <li>Nominal value. Actual value depends on environmental electromagnetic interference and wavelength.</li> </ol>	
DAMAGE THRESHOLDS	
Maximum power	66 nW
PHYSICAL CHARACTERISTICS	
Aperture diameter	3 mm
Absorber	SiUV
Dimensions	38.1Ø x 27.4D mm
Weight	0.09 kg
Distance to sensor face	13.7 mm
ORDERING INFORMATION	
PE3B-Si-D0	
PE3B-Si-INE-D0	
PE3B-Si-INT-D0	





# **INTERESTED IN THIS PRODUCT?**

GET A QUOTE

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