

PRESENTATION

OVERVIEW OF THE DIFFERENT MODELS

Our photo detectors are offered for both power or energy measurements. Measure as low as a few femtojoules in energy or a few picowatts in power.

FOR POWER MEASUREMENTS

The section below lists all the photo detectors used for power measurements. The corresponding comparison table and power range chart are given at the next page.

Available with
integra



PH

- High Power Photo Detectors for measurements up to 750 mW
- Available from UV to IR
- Silicon, UV-Silicon and Germanium Sensors
- OD1/OD2 Attenuators Available

■ HIGH POWER Si OR Ge SENSORS

See page 118



PRONTO-Si

- Compact Low Power Probe up to 800 mW
- 10 x 10 mm Aperture
- Continuous Measurements
- Integrated OD1 Slide-in Attenuator

■ POCKET-SIZED

■ COLOR TOUCH SCREEN DISPLAY

■ SCREEN AND SENSOR ARE PROTECTED WHEN YOU FLIP IT CLOSED

■ USE IT IN VERY TIGHT SPACES (ONLY 6 mm AT THE SENSOR)

■ NEW OPTIONAL ADAPTOR FOR FIBER OPTICS

See page 116

FOR ENERGY MEASUREMENTS

The section below lists all the photo detectors used for energy measurements. The corresponding comparison table and energy range chart are given at the next page.

Available with
integra



PE-B

- 3, 5 and 10 mm Ø Apertures
- Germanium and InGaAs Sensors
- Lowest Noise Level of ALL Energy Detectors (8 fJ with PE3B-Si)

■ 8 fJ NOISE LEVEL

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COMPARISON TABLE

FOR POWER MEASUREMENTS

MODEL	PMAX	NOISE LEVEL	λMIN	λMAX	SENSOR TYPE	APERTURE	SEE PAGE
PH100-SiUV	4 mW	10 pW	210 nm	1.08 μm	UV-Silicon	10 mm Ø	118
PH100-SiUV-OD.3	11 mW	30 pW	210 nm	1.08 μm	UV-Silicon	10 mm Ø	118
PH100-SiUV-OD1	38 mW	100 pW	400 nm	1.08 μm	UV-Silicon	10 mm Ø	118
PH20-Ge	30 mW	60 pW	800 nm	1.65 μm	Germanium	5 mm Ø	118
PH100-Si-HA	36 mW	10 pW	350 nm	1.08 μm	Silicon	10 mm Ø	118
PH100-Si-HA-OD1	300 mW	100 pW	420 nm	1.08 μm	Silicon	10 mm Ø	118
PH20-Ge-OD1	300 mW	600 pW	900 nm	1.65 μm	Germanium	5 mm Ø	118
PH20-Ge-OD2	500 mW	6 nW	950 nm	1.65 μm	Germanium	5 mm Ø	118
PH100-Si-HA-OD2	750 mW	1 nW	630 nm	1.1 μm	Silicon	10 mm Ø	118
PRONTO-Si	800 mW	10 pW	320 nm	1.1 μm	Silicon	10 X 10 mm	124

FOR ENERGY MEASUREMENTS

MODEL	EMAX	NOISE LEVEL	λMIN	λMAX	SENSOR TYPE	APERTURE	SEE PAGE
PE3B-Si	30 pJ	8 fJ	210 nm	1.08 μm	UV-Silicon	3 mm Ø	120
PE3B-In	300 pJ	30 fJ	900 nm	1.7 μm	InGaAs	3 mm Ø	120
PE5B-Ge	3 nJ	1 pJ	800 nm	1.65 μm	Germanium	5 mm Ø	120
PE10B-Si	150 nJ	1.5 pJ	210 nm	1.08 μm	UV-Silicon	10 mm Ø	120

Available with INTEGRA all-in-one detector + meter

