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# 800 - 1700nm Biased InGaAs Photodetector



Free-Space Photodetector Module

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1

€666<sup>,00</sup>

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### Volume Pricing

Qty 1-5 €666,00 each

Qty 6-10 €600,00 each

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### Product Downloads

Spec Sheets:pdf

EO Spec Sheet [Download All](#)

## General

**Type:** Biased InGaAs Photodetector

**Rise Time (ns):** 0.35

## Physical & Mechanical Properties

**Dimensions (mm):** 58 x 59.5 x 24

**Active Area (mm<sup>2</sup>):** 0.01

## Optical Properties

**Wavelength Range (nm):** 800 - 1700

## Electrical

**Noise Equivalent Power NEP (W/ Hz<sup>1/2</sup>):** 2.0x10<sup>-14</sup>

**Bandwidth (Hz):** 5\*10<sup>9</sup> (5 GHz)

**Dark Current I<sub>d</sub> (nA):** 0.3(Typical); 2.5(Max)

## Hardware & Interface Connectivity

**Power Supply:** 12V Battery (Not Included)

## Environmental & Durability Factors

**Operating Temperature (°C):** 10 - 50

## Regulatory Compliance

**Certificate of Conformance:** [View](#)

## Product Details

- Compact Design for Easy System Integration
- Si or InGaAs Photodetectors Ranging from 200 – 1700nm
- Biased or Amplified Models Available

Free-Space Photodetector Modules feature biased detectors provide fast rise times and bandwidths up to 350MHz and the InGaAs detectors feature 350ps rise times and a 5GHz bandwidth. They are ideal for the measurement of weak or low power sources down to -50dBm. They feature an M4 mounting thread for post mounting, and are ideal for monitoring fast pulsed lasers, modulated CW optical sources, and applications requiring free-space optical detection, such as LIDAR.

**Note:** The biased Si and InGaAs photodetector modules (#29-514, #29-515, and #29-516) require a 12V battery (not included) for power and operation. The amplified Si photodetector modules (#29-517, and #29-518) require a ±12VDC power supply (#29-519), sold separately. When measuring high speed signals, a 50Ω terminating resistor is recommended.

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spectra from 200 – 1700nm. These detectors have rise times up to 350MHz and the InGaAs detectors feature 350ps rise times and a 5GHz bandwidth. They are ideal for the measurement of weak or low power sources down to -50dBm. They feature an M4 mounting thread for post mounting, and are ideal for monitoring fast pulsed lasers, modulated CW optical sources, and applications requiring free-space optical detection, such as LIDAR.

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	12V Power Supply for Amplified Photodetectors		#29-519	€140,00 <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	1.5m Length, BNC to BNC Cable		#72-130	€41,00 <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	1.5m Length, BNC to SMA Cable		#72-131	€41,00 <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	50Ω Fixed Male-to-Female BNC Terminator		#72-132	€53,00 <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>

## Related Products



NIREOS SPIDER High-Dynamic Range VIS-SWIR Photodetector



Laser Safety Glasses and Goggles



Optical Filters



Neutral Density (ND) Filters

## Frequently Purchased Together



#53-272 - Filter Translation Mount  
€131,00



#53-357 - 12.7mm - 12.7mm (Fixed), Right Angle Post Clamp



#55-003 - 25.0/25.4mm Optic Dia., Kinematic Mirror Mount



#55-215 - Laser Detection Card VIS  
€108,00

Qty 

€28,50

Qty 

€336,00

Qty 

Qty 

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