

## Photek Photodiodes

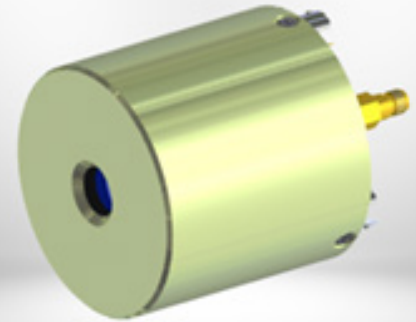
### *From our partners at Photek:*

Photek is the world leading manufacturer of vacuum based photodiodes for analysis of ultrafast optical phenomena in a range of applications. The vacuum photodiode is a sealed vacuum tube with a much faster response than solid state photodiodes.

Vacuum Photodiodes do not contain the micro-channel plate electron multipliers used in our photomultiplier tubes, resulting in unity gain devices. A benefit of this is the vacuum photodiode's high dynamic range, enabling measurement of extremely high light signals without degradation.

Photek's photodiodes are available in 10 mm, 25 mm, and 40 mm formats for use in the UV, visible and NIR spectrum. Photek's photodiodes are the fastest in the world with pulse rise times to 36 ps and pulse FWHM to 55 ps.

Photek also manufactures power supplies, gate modules, and other accessories required for operation. Sydor's team is happy to assist with product selection to determine the optimum configuration for your research requirements.



### Features:

- ⊕ Unity gain
- ⊕ High dynamic range
- ⊕ Rise time <36 ps

### Applications:

- ⊕ Analysis of fast optical pulses
  - ⊕ Cherenkov light detection
  - ⊕ Particle & Nuclear physics
  - ⊕ Fluorescence spectroscopy
- & more...

*For complete product details and specifications, visit [www.photek.com](http://www.photek.com) to review the product datasheet. Photek is accredited to ISO 9001 and ISO 14001.*

