



High Speed, High Bandwidth Optical Power Meter, F-712.PM1

Click [here](#) for high res image file

PI PRESS RELEASE

New High-Speed Optical Power Meter supports Fast Photonics Alignment Applications

20kHz bandwidth and wide wavelength range, optical, and current input.

April 2018, Auburn, MA – The new F-712.PM1 high speed optical power meter from precision photonics alignment manufacturer PI (Physik Instrumente) converts optical signals and currents of photodiodes into a high resolution, logarithmic analog voltage signal. Its high bandwidth of 20kHz enables faster optical alignment, when used in conjunction with PI's high speed FMPA photonics alignment systems for SiP (Silicon Photonics) applications. The extended wavelength range of 400 to 1550nm allows working in both the visible and infrared range without switching.

The optical input is designed in a way that eliminates the influence of the optical fiber location in the connector on the optical signal. In addition to the optical input, the device also has a current input. For example, a photodiode can be connected to this input and the diode current converted into a logarithmic voltage signal. Switching between the inputs is done via a button and an LED lights up when the current input is activated. The precise, logarithmic output signal is ideal for optical alignment systems- important for fast photonics alignment.

Features

- 20kHz Signal Bandwidth
- 85nW to 85mW Dynamic Range
- 400 -1550nm Wavelength
- 0 - 1mA Input Current
- Logarithmic Output

Specifications, Datasheets, More Information >

http://www.pi-usa.us/products/Photonics_Alignment_Solutions/index.php#F712PM1

Read Tech Blog, *History and Future of Photonics Alignment Automation, Test & Assembly of SiP Components* >

<http://www.pi-usa.us/blog/history-and-future-of-photonics-alignment-automation-test-assembly-of-sip-components/>

Standard and Custom

PI has in-house engineered solutions with over 4 decades of experience working with customers to provide products that meet application demands, and can quickly modify existing product designs or provide a fully customized OEM part to fit the exact requirements of the application.

About PI

PI is a leading manufacturer of air bearing stages, piezoelectric solutions, precision motion control equipment, and hexapod parallel-kinematics for semiconductor applications, photonics, bio-nano-technology, and medical engineering. PI has been developing and manufacturing standard & custom precision products with piezoceramic and electromagnetic drives for 4 decades. The company has been ISO 9001 certified since 1994 and provides innovative, high-quality solutions for OEM and research. The PI group employs more than 1,000 people worldwide in 15 subsidiaries and R&D / engineering centers on 3 continents.

USA / Canada

<http://www.pi-usa.us> | info@pi-usa.us

East

(508) 832-3456

Midwest

(508) 832-3456

West

(949) 679-9191 (LA Area & Mexico)

(408) 533-0973 (Silicon Valley/Bay Area)

> [READ the PI Tech Blog](#)

> [WATCH PI Videos on YouTube](#)

> [FOLLOW PI on Twitter](#)