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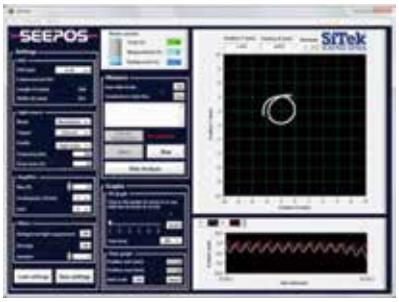
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PSD Signal Processing System

Part number:SE-0018_SEEPOS
Description:SEEPOS





The SiTek SEEPOS is a versatile PSD signal processing tool optimized for development of PSD systems. High speed PSD electronics combined with digital signal processing and high speed USB data transfer gives a powerful measurement system. With its large dynamic range it can handle light powers from nW to mW from DC light sources as well as modulated light sources.

All parameters, such as PSD bias voltage, amplifier gain, the use of analog and digital filters etc., are easily controlled from the included software and light spot position is continuously displayed both in XY and X-t, Y-t graphs.

Optimized plot algorithms ensure that all data is visually seen on the screen even in full speed measurements. Included tools for data analysis and visualization simplify rapid scan through large data sets in order to find specific parts of interest.

Key Features

* Extremely versatile – all important parameters are easily adjusted
* Highest performance – 16 bit A/D conversion at 1 MHz and full speed USB data transfer
* User friendly – intuitive interface based on LabView
* Suitable for all users – Easy set-up and advanced analyzing functions included

Example of Applications

* Development measurements
* Beam alignment
* Optical system quality control
* Monitoring of vibration deflection and motion
* Target rotation and displacement
* Fast steering mirror measurement

Technical Specification Parameters

Analog Part	
Input photo current range	50nA-5mA
Pre amplifier gain	1000V/A,50000V/A
PSD bias voltage	0-30V(continuously variable)
HP-filter cutoff frequency	150Hz(on/off)
Digital Part	
A/D conversion	16bit
Sampling frequency	1MHz(parallel)
Light source trigger frequency (TTL)	DC-250kHz
Computer interface	USB2.0
Other	
External light source trigger frequency(TTL)	DC-100kHz
PSD interface	DSUB9
Dimensions W x H x L	124,4mm x 36,2mm x 148mm

Setup



Complete SEEPOS is delivered with: Hardware,Software,USB cable,Power supply and User manual.

Connection



Frontside



Backside

TEL : (03)462-6569 (桃園-總公司) / (04)2261-0357 (台中) / (06)208-6651 (台南)

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