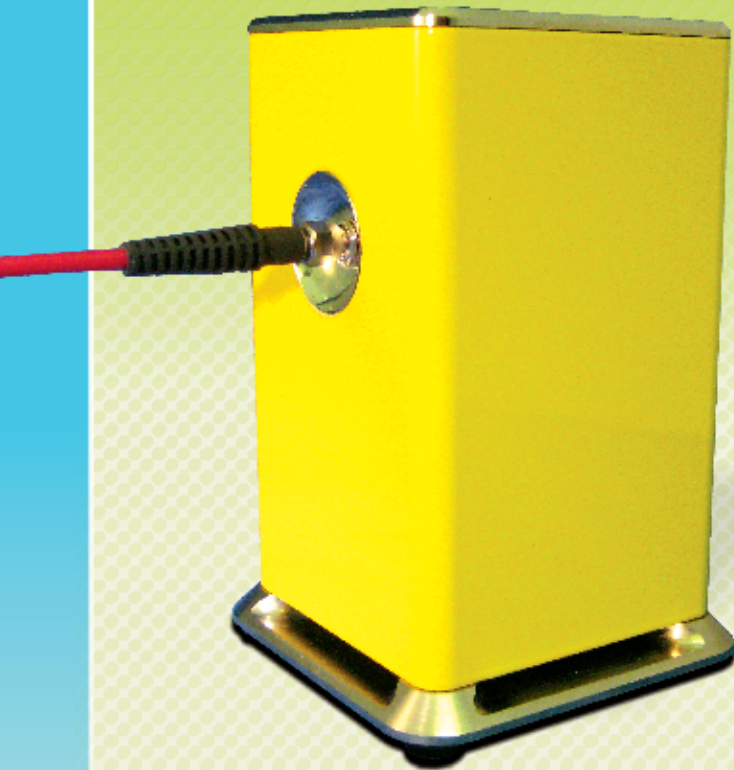


Front



The Sandhouse Design Single Point Detector is the ideal tool for high Signal to Noise single point fiber optic and free beam measurements. At the heart of the Single Point detector system is a low noise preamplifier circuit with a 24bit Analog to Digital Converter. The Single point detector can be ordered with a range of detectors from the Deep UV to the Far IR. (200nm to 14um).

The Single point detector system can support cooled detectors. The electronics also support synchronization with external events. It can receive a trigger from external sources and also be triggered. The software controls also support user programmed digital I/O.

The Single point detector can be purchased with an optional filter holder so that the wavelength region of the measurements can be tuned to the region of interest.

The Single point detector system includes software and a free Software Development kit so that the user can write their own applications and easily integrate into their systems.

Back



Interface Connections and Power Source

SMA Fiber

SMA Fiber Input



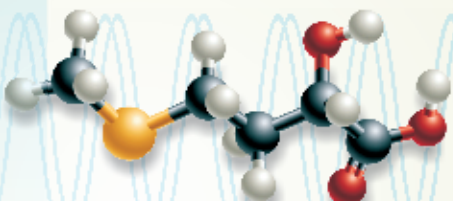
See back for product specifications and features →

**For Orders or Inquiries**

Call (727) 738-4477 or Fax (727) 342-7304

[info@SandhouseDesign.com](mailto:info@SandhouseDesign.com)

SandHouse Design, LLC Dunedin, Florida U.S.A.



## Features

- Included Software and Software Development Kit
- Software Adjustable Gain Settings
- Several Triggering modes supported
- Integrated temperature control for TE cooled detectors
- Low Noise Amplifier and 24bit A/D converter
- Integrated Dark level offset to increase dynamic range for high background measurements.

## Specifications

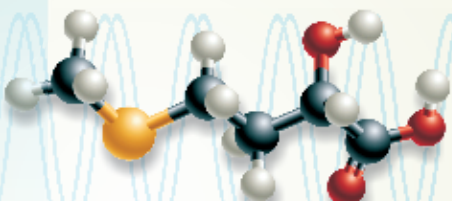
Bandwidth	100khz
Trigger modes supported	Internal and external with phase delay
Digital I/O	4 TTL level I/Os
Digital Resolution	24 bits to 17bits (depends on sampling speed)
Sample Speed	7hz to 3khz
TE cooler controller	Up to 3 stage cooler with .1C stability

## Models Available

## Detector

## Wavelength Range

Models Available	Detector	Wavelength Range
SPD-UV/VIS	Silicone Detector	200nm-1100nm
SPD-NIR-2600	Extended InGaAs	900nm to 2600nm
SPD-NIR-3400	InAs with 3 stage cooler	1um to 3.4um
SPD_MIR-5000	MCTwith 3 stage cooler	2um to 5um
SPD-MIR-6500	MCT Detector with 3 stage cooler	3um to 6.5um
SPD-IR, 14000	Pyro-electric Detector	8-um to 14um



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