

New in 2017

A compact, robust, and reliable spectrometer for 900–2550nm

NIRsight is robust and reliable spectrometer covering the extended InGaAs window. Using a precision all-metal optical bench and the highest quality of detectors available, it is designed for demanding applications.

LOW NOISE

3 stage TEC cooled, 512 pixel Hamamatsu detector for low noise.

MAXIMUM SENSITIVITY

The detector has extra-tall pixels to ensure excellent sensitivity.

MODULAR

The user can configure the spectrometer to their exact requirements.

- A grating can be fitted to suit the wavelength range of interest.
- Define slit size to balance resolution and sensitivity

POWERFUL

- Precise acquisition timing can be achieved using the hardware trigger
- Up to 1000 spectra/second can be collected
- The lightweight driver software makes NIRsight ideal for integrating into complex experiments and OEM applications

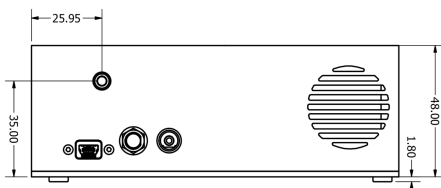
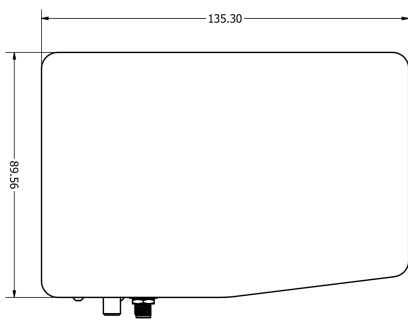
NIRsight



Technical Specifications

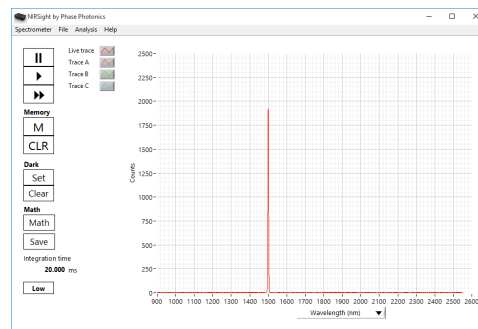
	Default	Notes
Wavelength range	900-2500nm	Custom range within the limits of 900-2550nm available.
Gratings	Ruled reflective grating	Others by request
Slit	25µm	Choose from 25µm/50µm/100µm/no slit
Resolution	7nm	Determined by wavelength range and slit.
Optical Input	SMA/Free space	FCPC version on request
Interface	USB2.0	Other options available for OEMs
Triggering	Software or Hardware	
Integration times	10µs to >1s	
Speed	Up to 1000 spectra/sec	Depends on PC and integration time
Software	Windows Application & Driver	Linux drivers & LabVIEW examples
Operating conditions	10-50°C	
Weight	600g (1.3lbs)	
Dimensions	135.3 x 89.6 x 48 mm	5.32 x 3.53 x 1.89 inches

Outline drawing



M4 and 8-32 mounting holes on base.
3D CAD file on request.

Software



Windows interface

A range of illumination and light collection systems can be purchased in conjunction with our spectrometers.

Phase assists OEMs to develop algorithms for spectral analysis.

Please enquire for further details.