



ROCK NIR

1065 - 1870 nm OEM Spectrometer

Ideal for industrial grade applications

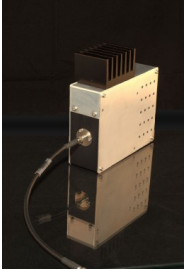
High throughput and robust athermal design

Ibsens ROCK NIR product is the market's highest throughput, industrial grade spectrometer. The optical and mechanical design enables flexibility in detector and electronics integration which is very desirable in OEM spectroscopic instrumentation. These benefits are accomplished by Ibsens unique athermal, transmission grating based designs.

We design and manufacture our holographic transmission gratings in-house. The ROCK NIR spectrometers can enable better sensitivity and/or lower optical light input power than traditional spectrometers. And - if the specifications does not match your requirements - Ibsen can easily customize an OEM spectrometer to meet your exact needs.

ROCK NIR 1065-1870 nm OEM Spectrometer

Key benefits



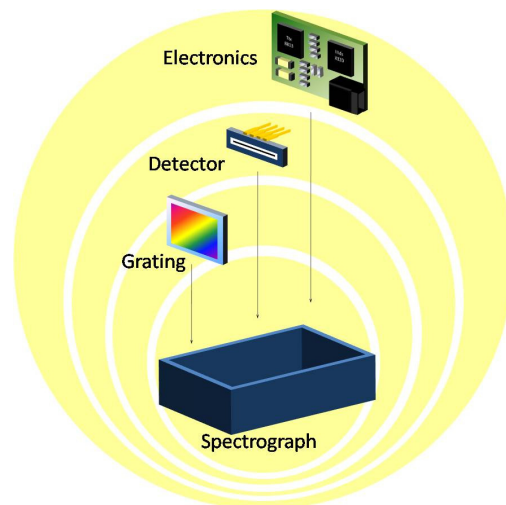
- High optical throughput
- Robust and athermal design
- Flexible detector and electronics

Specifications

Parameter	RSN-445	RSN-465	
Wavelength range	1065 - 1700 nm	1065 - 1870 nm	
Numerical aperture	0.22	0.22	
Minimum resolution	6 nm/FWHM	6 nm/FWHM	
Grating efficiency	> 50 %	> 50 %	
Stray light	< 0.1 %	< 0.1 %	
Detector	Hamamatsu G9214-512 TE cooled InGaAs	Hamamatsu G9208-256 TE cooled InGaAs	
Interface	USB 2.0	USB 2.0	
S/N	4000:1	4000:1	Saturation / RMS
Dynamic range	9000:1	9000:1	Saturation / Dark
Operating temperature range	-10 to +45 Degree C		non-condensing
Temperature drift	< 0.02 nm/Degree C		

Modular approach

Ibsens OEM spectrometers are based on a modular design whereby customers can choose to buy a complete spectrometer, a spectrograph, or simply a spectrometer grating, depending on the approach that you prefer. Furthermore, our spectrometers can be fitted to almost any detector and electronics.



Specifications are subject to change without notice.