



## ROCK SW-NIR

### 815 - 1065 nm OEM Spectrometer

Ideal for industrial grade applications

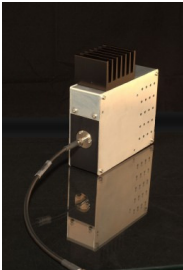
#### High throughput and robust athermal design

Ibsens ROCK SW-NIR spectrometer offers the market's highest throughput in an industrial grade robust spectrometer module. These benefits are accomplished by Ibsens unique athermal, transmission grating based designs. We design and manufacture our holographic transmission gratings in-house.

The ROCK SW-NIR spectrometers can enable better sensitivity 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 SW-NIR 815-1065 nm OEM Spectrometer

## Key benefits



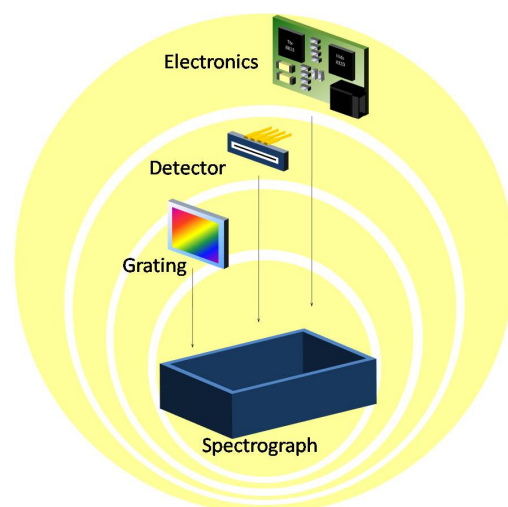
- High optical throughput
- Robust and athermal design
- Flexible detector and electronics

## Specifications

Parameter	RSS-220	RSS-290	Comments
Wavelength range	815 - 1065 nm	815 - 1065 nm	
Numerical aperture	0.22	0.22	
Minimum resolution	3 nm/FWHM	3 nm/FWHM	
Grating efficiency	> 80 %	> 80 %	
Stray light	< 0.1 %	< 0.1 %	
Detector	Hamamatsu S8380-256 Un-cooled NMOS	Hamamatsu S8382-256 TE-cooled NMOS	
S/N	6000:1	6000:1	Saturation / RMS (at short integration time)
Dynamic range	12000:1	12000:1	Saturation / Dark (at short integration time)
Interface	USB 2.0	USB 2.0	
Operating temperature range		-10 to +45 Degree C	non-condensing
Temperature drift		< 0.01 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.