

**High throughput and robust athermal design**  
**Ideal for industrial grade applications**

**l b s e n**   
p h o t o n i c s

Ibsen's ROCK SW-NIR spectrometers offer the market's highest throughput in a robust and athermal module.

These benefits are accomplished through our highly efficient in-house manufactured fused silica transmission gratings and extensive opto-mechanical design experiences.

The ROCK SW-NIR spectrometers are supplied with read-out electronics and can enable better sensitivity than traditional spectrometers.

Furthermore, if the specifications do not match your requirements, Ibsen can customize an OEM spectrometer to meet your exact needs.

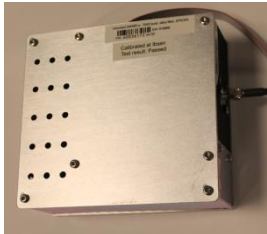


## **ROCK SW-NIR**

**815 – 1065 nm OEM Spectrometer**

# ROCK SW-NIR 815 – 1065 nm OEM Spectrometer

## Key Benefits



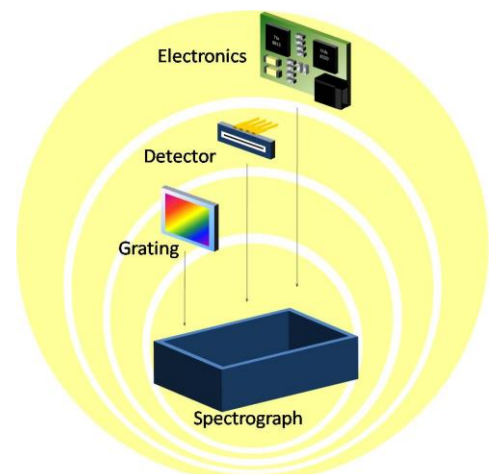
- **High optical throughput**
- **Flexible detector and control electronics**
- **Robust and athermal design**

## Specifications

Parameter	RSS-200	RSS-220	RST-305
Wavelength range	815 - 1065 nm	815 - 1065 nm	815 - 1065 nm
Numerical aperture	0.22	0.22	0.22
Typical resolution	1.5 nm/FWHM	1.5 nm/FWHM	1.5 nm/FWHM
Stray light	<0.03%	<0.03%	<0.03%
Detector	Hamamatsu S8381-512	Hamamatsu S8380-256	Hamamatsu S10420-1006
S/N (Saturation/RMS)	10,000:1	10,000:1	500:1
Dynamic range (Saturation/Dark)	20,000:1	20,000:1	4,800:1
Interface	USB - 2.0/RS-232	USB - 2.0/RS-232	USB - 2.0/RS-232
Operating temp. range. Non-condensing	-10 to +45 Degree C	-10 to +45 Degree C	-10 to +45 Degree C
Temperature drift	<0.01 nm/Degree C	<0.01 nm/Degree C	<0.01 nm/Degree C
Dimensions	128 mm x 117 mm x 53 mm	128 mm x 117 mm x 53 mm	128 mm x 117 mm x 53 mm

## Modular Approach

Ibsen's 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 they prefer. Furthermore, our spectrometers can be fitted to almost any detector and electronics.



Specifications are subject to change without notice.