

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



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



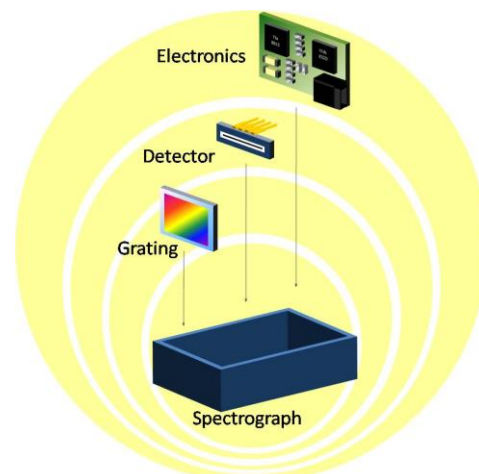
- **High optical throughput**
- **Flexible detector and control electronics**
- **Robust and athermal design**

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
Best possible resolution (typical)	1.9 nm/FWHM	1.9 nm/FWHM	1.9 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.