

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

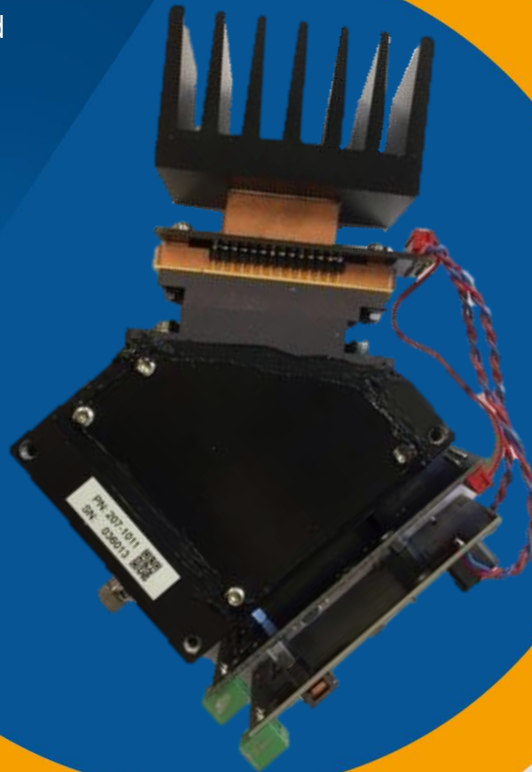


Ibsen's ROCK NIR spectrometers offer the market's highest throughput in a robust and athermal module.

These benefits are accomplished by Ibsen's unique athermal, transmission grating based designs. We design and manufactures our holographic transmission gratings in-house.

The ROCK NIR spectrometers are supplied with read-out electronics and temperature control.

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

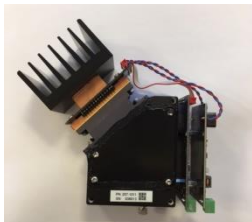


ROCK NIR

900 - 1700 nm OEM Spectrometer

ROCK NIR 900 - 1700 nm OEM Spectrometer

Key Benefits



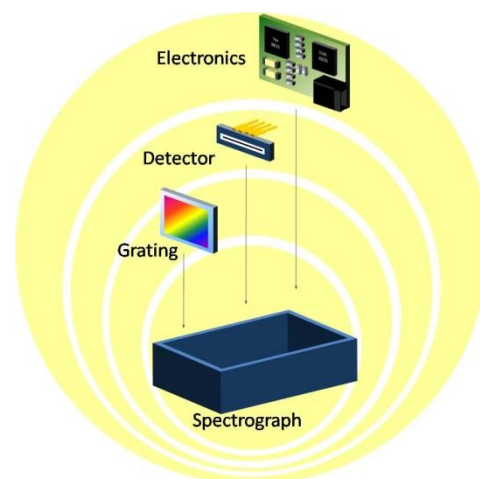
- **High optical throughput**
- **Cooled detector and control electronics**
- **Robust and athermal design**

Specifications

Parameter	RSM-420	RSM-445
Wavelength range	900 – 1700 nm	900 – 1700 nm
Numerical aperture	0.11 0.22	0.11 0.22
Typical resolution (FWHM)	3.0 nm 6.0 nm	3.0 nm 6.0 nm
Stray light	<0.1%	<0.1%
Detector	Hamamatsu G9203-256 TE cooled InGaAs	Hamamatsu G9214-512 TE cooled InGaAs
S/N (Saturation/RMS)	2,500:1	2,500:1
Dynamic range (Saturation/Dark)	12,000:1	12,000:1
Interface	USB - 2.0	USB - 2.0
Operating temperature range. Non-condensing	-10 to +45 Degree C	-10 to +45 Degree C
Temperature drift	<0.02 nm/Degree C	<0.02 nm/Degree C
Dimensions	110 mm x 105 mm x 45 mm	110 mm x 105 mm x 45 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.