

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



Ibsen's ROCK VIS 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 VIS spectrometers comprise the RSV-200/220 for large dynamic range and RSV-305 for high sensitivity and low S/N.

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

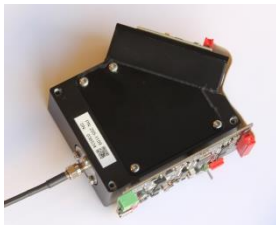


## **ROCK VIS**

**380 – 770 nm OEM Spectrometer**

# ROCK VIS 380 – 770 nm OEM Spectrometer

## Key Benefits



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

## Specifications

Parameter	RSV-200	RSV-220	RSV-305
Wavelength range	400 - 740 nm	400 - 740 nm	380 - 770 nm
Numerical aperture	0.22	0.22	0.22
Typical resolution	2.0 nm/FWHM	4.0 nm/FWHM	2.0 nm/FWHM
Stray light	<0.03%	<0.03%	<0.03%
Detector	Hamamatsu S8381-512	Hamamatsu S8380-256	Hamamatsu S10420
S/N (Saturation/RMS)	10,000:1	10,000:1	185:1
Dynamic range (Saturation/Dark)	20,000:1	20,000:1	700:1
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	<0.02 nm/Degree C	<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	110 mm x 105 mm x 45 mm

## Modula 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.

