



ROCK VIS

380 - 770 nm OEM Spectrometer

Ideal for industrial grade applications

High throughput and robust athermal design

Ibsens ROCK VIS spectrometers offers the market's highest throughput and robust instruments. These benefits are accomplished through our highly efficient in-house manufactured fused silica transmission gratings and extensive opto-mechanical design experience.

The ROCK VIS series comprises the RSV-200 for large dynamic range and the RSV-300 for high sensitivity. And - if the specifications does not match your requirements, Ibsen can easily customize an OEM spectrometer to meet your exact needs.

ROCK VIS 380-770 nm OEM Spectrometer

Key benefits



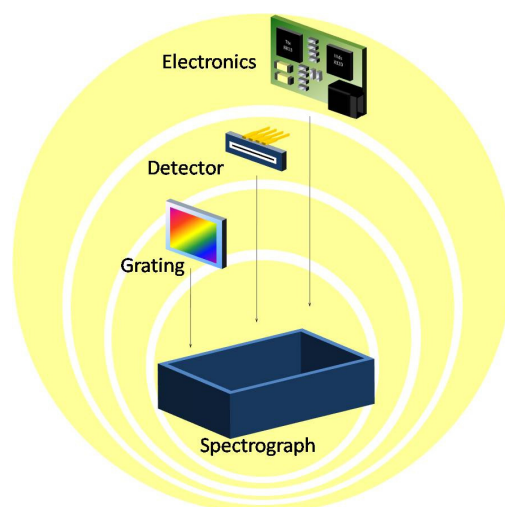
- High optical throughput
- Robust and athermal design
- Flexible detector and electronics

Specifications

Parameter	RSV-200	RSV-300	Comment
Wavelength range	400 - 740 nm	380 - 770 nm	
Numerical aperture	0.22	0.22	
Minimum resolution	1.0 nm/FWHM	1.0 nm/FWHM	
Grating efficiency	> 60 %	> 60 %	
Stray light	< 0.03 %	< 0.03 %	
Detector	Hamamatsu S8381-512	Sony ILX511 2048	
Min. integration time	8 msec.	1.3 msec.	
Max. read out speed	25 Hz	15 Hz	
Dynamic range	12000:1	800:1	Saturation / Dark
S/N	6000:1	300:1	Saturation / RMS
Interface	USB-2.0/RS-232	USB-2.0/RS-232	
Temperature drift	< 0.01 nm/Degree C		
Operating temperature range	-10 to +45 Degree C		non-condensing
Dimensions	110 x 105 x 45 mm	110 x 105 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 you prefer. Furthermore, our spectrometers can be fitted to almost any detector and electronics.



Specifications are subject to change without notice.