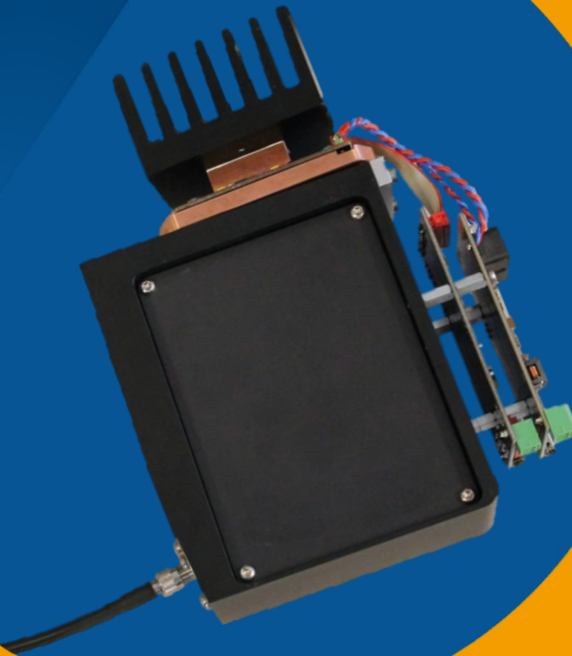


Compact and robust athermal design
Ideal for high resolution Raman solutions



Ibsen's EAGLE SW-NIR are compact, robust, and high resolution spectrometers, suited for OEM integration into industrial grade Raman systems at 785 or 830 nm excitation.

The EAGLE SW-NIR series comprises the ERS-392 with a cooled CCD and the ERS-315 with an uncooled CCD. Furthermore, if the specifications do not match your requirements, Ibsen can customize an OEM spectrometer to meet your exact needs.

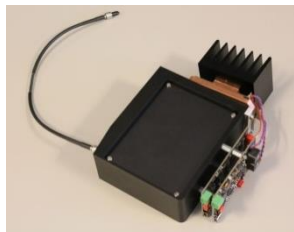


EAGLE SW-NIR

822 – 978 nm OEM Spectrometer

EAGLE SW-NIR 822 – 978 nm OEM Spectrometer

Key Benefits



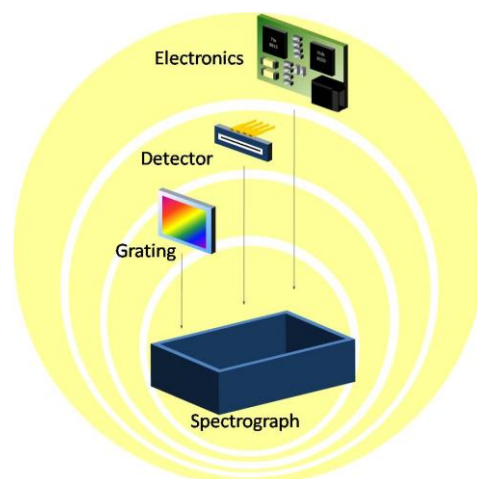
- **High resolution**
- **Flexible detector and electronics**
- **Robust and athermal design**
- **Error free imaging of tall input slit/fiber array**

Specifications

Parameter	ERS-392	ERS-315
Wavelength range	822 – 978 nm	822 – 978 nm
Numerical aperture	0.13	0.13
Typical resolution	0.55 nm/FWHM	0.55 nm/FWHM
Stray light	<0.03%	<0.03%
Detector	Hamamatsu S7031-1007S BT-CCD 1-stage TE-cooled	Hamamatsu S10420-1106-01 BT-CCD non-cooled
S/N Saturation/RMS	1200:1	1200:1
Dynamic range Saturation/Dark	8000:1	8000:1
Interface	USB - 2.0/RS-232	USB - 2.0/RS-232
Operating temperature range. Non-condensing	+5 to +40 Degree C	
Temperature drift	<0.01 nm/Degree C	
Dimensions	125 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.