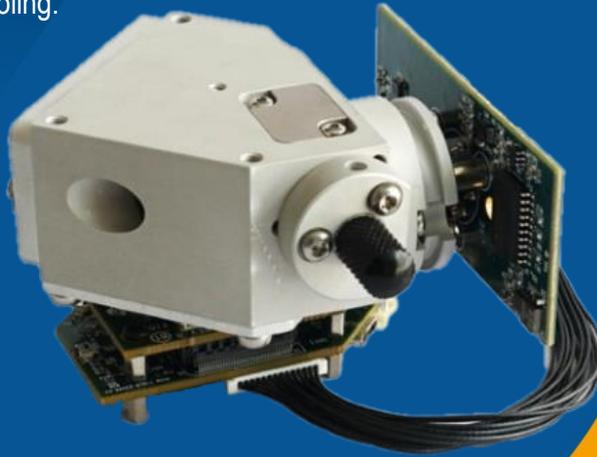


***High throughput and compact design
Ideal for industrial grade applications***

l b s e n 
p h o t o n i c s

Ibsen's PEAK XNIR spectrometers offers high throughput in a compact form factor. This benefit is accomplished through its retroreflective advanced optical design as well as through our highly efficient in-house manufactured fused silica transmission gratings and high numerical aperture. It is based on the innovative DMD (MEMS mirror array) technology.

The PEAK XNIR spectrometers are supplied with read-out electronics and detector cooling. If the specifications do not match your requirements, Ibsen can customize an OEM spectrometer to meet your exact needs.



PEAK XNIR

1650 – 2400 nm OEM Spectrometer

PEAK XNIR 1650 – 2400 nm OEM Spectrometer

Key Benefits



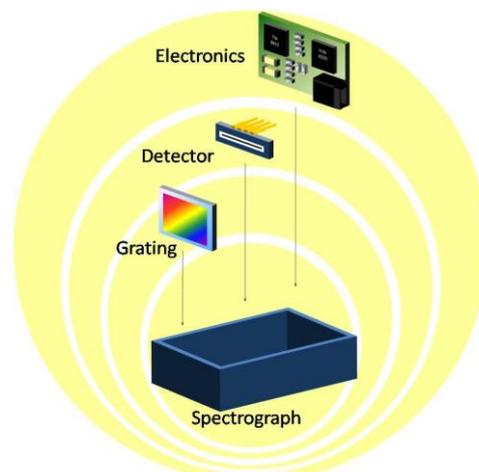
- High optical throughput
- Fast speed with a 0.5 sec. full spectrum scan
- Robust and compact design
- TI DMD™ (MEMS mirror array) technology

Specifications

Parameter	PKX-901
Wavelength range	1650 – 2400 nm
Numerical aperture	0.22
Typical resolution	10 nm/FWHM
Detector	Two-stage TE-cooled InGaAs
Interface	USB 2.0
Operating temperature range. Non-condensing	5 °C – 50 °C
Temperature drift	< 0.04 nm/K
Dimensions	63 mm x 50 mm x 77 mm
Weight	218 grams

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.