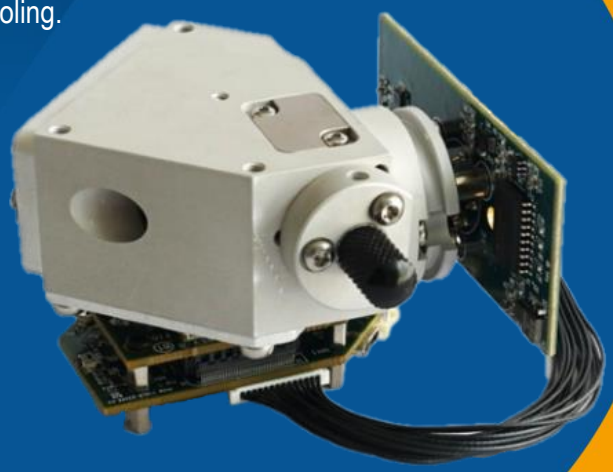
High throughput and compact design
Ideal for industrial grade applications

Ibsen photonics

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

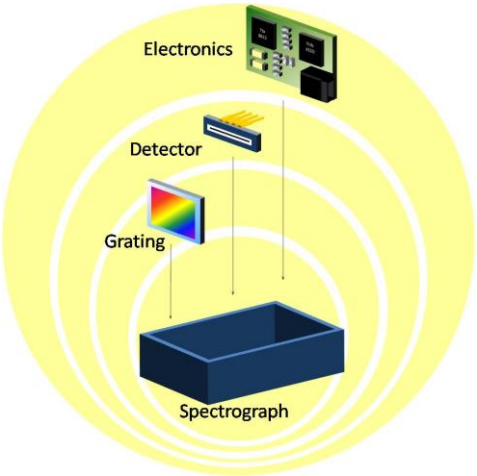
- **High optical throughput**
- **Fast speed with a 0.5 sec. full spectrum scan**
- **Robust and compact design**
- **TI DMD™ (MEMS mirror array) technology**

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.

For further information you can contact us directly at:

Ibsen Photonics A/S Ryttermarken 17 DK-3520 Farum Denmark
Phone +45 4434 7000 Fax +45 4434 7001 www.ibsen.com E-mail inquiry@ibsen.com