

***New Ultra Compact Spectrometer
Ideal for compact devices requiring high
performance***

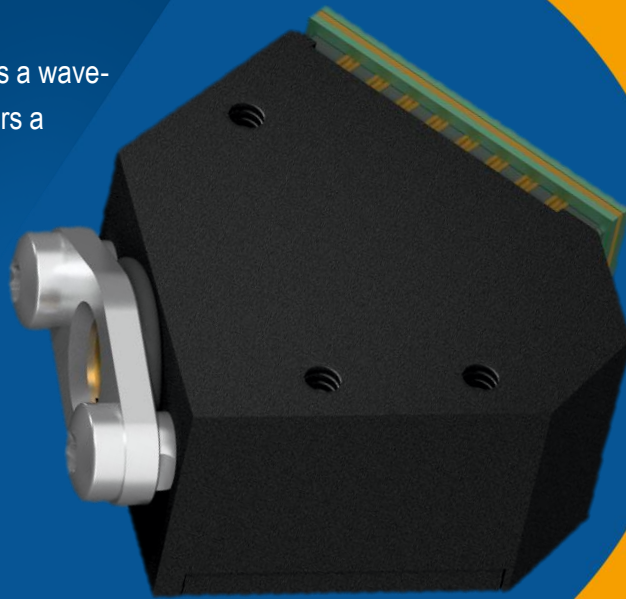


Ibsen's PEBBLE spectrometers combine an ultra compact form factor with high resolution and sensitivity as well as environmental ruggedness.

PEBBLE VIS is based on the same proven diffraction grating technology used in all other Ibsen spectrometers. This ensures that PEBBLE can be manufactured in high quantities with very small unit-to-unit performance variation.

The ultra compact PEBBLE VIS covers a wavelength range of 360 – 830 nm and offers a resolution of 6 nm.

If the specifications of our standard PEBBLE configurations do not match your requirements, Ibsen can customize an OEM spectrometer to meet your exact needs.

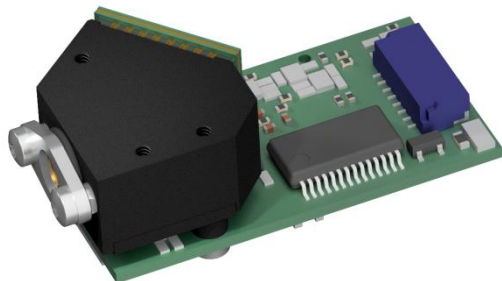


PEBBLE VIS

360 – 830 nm OEM Spectrometer

PEBBLE VIS 360 – 830 nm OEM Spectrometer

Key Benefits



- **Ultra compact size**
- **High speed CMOS detector**
- **High resolution and sensitivity**

Specifications

Parameter	PEBBLE VIS
Wavelength range	360 - 830 nm
Numerical aperture	0.22
Resolution	6 nm/FWHM (12.5 x 250 μ m slit)
Detector	CMOS detector
Pixels	256 pixels: 14 x 200 μ m
Dimensions	20 x 15 x 8 mm without SMA connector and electronics
Weight	< 5 grams without SMA connector and electronics
Electronics interface options	1) Miniature flex connector 2) SPI 3) USB
Options	1) SMA coupling or free space 2) Order sorting filter (yes/no)

Electronics Options

Interface	SPI	USB
Electronics	DISB-105	DISB-105 + DISB-USB Bridge
ADC	16 bit	16 bit
Maximum frame rate	4.8 KHz	2.0 KHz
External trigger	Yes	Yes
On-board storage of calibration coefficient	Yes	Yes
Power (typical)	0.8 W	0.8 W

Specifications are subject to change without notice.