

475 – 1100 nm OEM Spectrometer

FREEDOM VIS-NIR 475 – 1100 nm OEM Spectrometer

Key Benefits



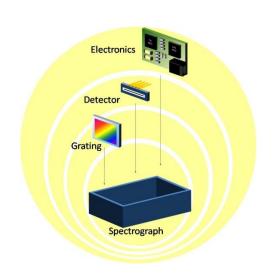
- Small footprint
- · Robust and athermal design
- Flexible detector and electronics
- Cost-efficient

Specifications

| Parameter | FST-101 | FST-305 | FST-380 |
|---|--|-------------------------------|-------------------------------|
| Wavelength range | 475 - 1100 nm | 475 - 1100 nm | 475 - 1100 nm |
| Numerical aperture | 0.16 | 0.16 | 0.16 |
| Typical resolution | 1.7 nm/FWHM | 2.2 nm/FWHM | 1.7 nm/FWHM |
| Stray light | <0.03% | <0.03% | <0.03% |
| Detector | Hamamatsu S11639 CMOS | Hamamatsu S10420 BT-CCD | Hamamatsu S11156 BT-CCD |
| Interface | Direct interface to detector pins (optional electronics available) | | |
| Temperature drift | <0.03 nm/Degree C | | |
| Operating temperature range. Non-condensing | -10 to +45 Degree C | | |
| Dimensions | 25 mm x 48 mm x 16 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.

