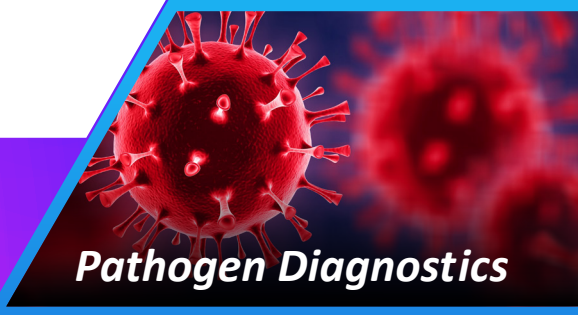
OceanOptics

We Measure What Matters



- Increase accuracy
- Improve yield
- Reduce downtime
- Boost productivity
- Biofluidics Diagnostics
- Medical Light Monitoring
- Molecular Diagnostics
- Pathogen Detection

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Specifications:	SR6	HR6	Ocean HDX	QE Pro
Wavelength Range	180 – 1100 nm	185 – 1100 nm	200 – 1100 nm	190 – 1100 nm
Integration time	7.2 ms – 5 s	7.2 ms – 5 s	6 ms – 10 s	8 ms – 60 min
Optical resolution (FWHM)	0.36 – 11.52 nm	0.08 – 7.24 nm	0.70 – 1.10 nm	1.2 – 6.87 nm
SNR (single scan @ 10 ms)	400:1	400:1	400:1	1,000:1
SNR (max. per second w/High Speed Averaging Mode)	3,500:1	3,500:1	NA	NA
Connectors	16 pin Samtec TFM, RS-232, SMA, USB Type-C	SMA, TFM-108-02-L-DH Samtec, USB Type-C	40 pin JAE DD4, Gigabit Ethernet, SMA 905 (input fiber), USB	SMA 905 (input fiber)
Physical dimensions	88.1 x 63.5 x 31.45 mm	148.8 x 106.4 x 48.2 mm	88.9 x 63.5 x 52.4 mm	182 x 110 x 47 mm
Weight	275 g	0.9306 kg	400 g	1.15 kg (spectrometer); 450 g (power supply)
Temperature (operation)	0 °C – 55 °C	0 °C – 55 °C	0 °C – 40 °C	0 °C – 55 °C
Temperature (storage)	-30 °C – 70 °C	-30 °C – 70 °C	-30 °C – 70 °C	-30 °C – 70 °C
Best for	• UV absorbance of proteins • Fluorescence of chemical samples • High-sensitivity analysis	• DNA/RNA analysis • Industrial environments • Optical emission spectroscopy	• Color and irradiance measurements • Fluorescence, bioluminescence and phosphorescence • Peak symmetry for plasma emission analysis • Protein concentration monitoring • Virus detection	• Absorbance of blood and biological samples • Aerosols in the environment • Detection of food adulteration • Fluorescence of proteins • Low light level applications requiring high thermal stability and low stray light • Ophthalmic materials monitoring