

# NIRQuest Spectrometers

improved performance with more grating options



A high-performance optical bench, low-noise electronics and various grating options make NIRQuest Spectrometers truly extraordinary. This new generation of small-footprint, near-infrared spectrometers is available in three models that cover various ranges between 900 nm and 2500 nm, and are ideal for applications ranging from analyzing moisture content in food and beverage products to analyzing trace metals in wastewater. In addition to improved optical bench performance, NIRQuest

Spectrometers are available with more grating options than our previous NIR Spectrometers. That allows users to take advantage of the different grating characteristics to maximize experiment setups.



**Starting at \$15,000**  
Base spectrometer only

	<b>NIRQuest512</b>	<b>NIRQuest256-2.1</b>	<b>NIRQuest256-2.5</b>
Detector:	Hamamatsu G9204-512 InGaAs linear array	Hamamatsu G9206-256 InGaAs linear array	Hamamatsu G9208-256 InGaAs linear array
Detector range:	850-1700 nm	900-2100 nm	900-2550 nm
Useable range:	900-1700 nm	900-2050 nm	900-2500 nm
Grating options:	Grating NIR3, 150 l/mm, 900-1700 nm	Grating NIR2, 100 l/mm, 900-2050 nm	Grating NIR1, 150 l/mm, 1075-2500 nm
Grating options (custom):	Gratings NIR10, NIR11, NIR12, NIR13 and NIR14 (see Grating Tables for details)	Gratings NIR2, NIR3, NIR10, NIR11, NIR12 and NIR13 (see Grating Tables for details)	Gratings NIR2, NIR3, NIR10, NIR11, NIR12 and NIR13 (see Grating Tables for details)
Wavelength range:	900-1700 nm w/Grating NIR3	900-2050 nm w/Grating NIR2	900-2500 nm w/Grating NIR1
Optical resolution	~3.1 nm w/25 $\mu$ m slit	~7.6 nm w/25 $\mu$ m slit	~9.5 nm w/25 $\mu$ m slit
Fiber optic connector:	SMA 905	SMA 905	SMA 905
Accessories:	Compatible with Ocean Optics fiber optic accessories including light sources, optical fibers, cuvette holders and probes. Wi-Fi ready with Remora Spectral Server.		



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