i-Raman NxG and Duo

Laboratory Raman Solutions for Research, Development, & Quality Control

SOFTWARE

SpecSuite is an all-in-one software suite designed for data collection, model development, identification and more.

SpecSuite software offers:

- Real-time data visualization and simple data collection control
- Automated quantitative model-building for routine analysis
- Metrohm Comprehensive Raman Library for material inspection
- 21 CFR Part 11 for confident compliance

ACCESSORIES

- Cuvette and liquid vial holders
- Immersion shafts
- Probe holder with positioning stage
- See-through probes for opaque containers
- And more

	i-Raman NxG				i-Raman Duo
Part Number	29540010	29540030	29540040	29540050	29540060
Performance					
Laser wavelength	532 nm	785 nm (H version)	785 nm (S version)	1064 nm	860 and 1064 nm
Spectral range	150 – 3400 cm^{-1}	100 – 2800 cm^{-1}	100 – 3350 cm^{-1}	100 – 2500 cm^{-1}	100 – 4600 cm^{-1}
Resolution	<7.5 cm^{-1} at 614 nm	<6 cm^{-1} at 912 nm	<4 cm^{-1} at 912 nm	<10 cm^{-1} at 1296 nm	<10 cm^{-1} at 1296 nm
Max. laser power at port	55 mW	495 mW			
Typical max. laser power at probe	35 mW	400 mW			
Laser power and control	0 – 100%, adjustable in 1% increments				
Detector	2048 pixel TE Cooled CCD			512 pixel TE Cooled InGaAs	
Minimum integration time	7 ms			200 µs	
Power and electronics					
Input voltage	100 – 240 VAC 50/60 Hz				
Output voltage	12 V DC at 6.6A				
Data communication	USB-C				
Sampling	1.5 m lab-grade fiber probe with trigger cable				
Physical properties					
Weight	11.8 kg (26 lbs)			9.5 kg (21 lbs)	
Operating temperature range	0 – 35 °C, noncondensing				
Dimensions	H: 23.5 cm (9.3 in) x W: 25.4 cm (10 in) x D: 38 cm (15 in)				

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