



i-Raman NxG & i-Raman Duo

The Next Generation of
Raman Spectroscopy

PEOPLE
YOU
CAN
TRUST

 **Metrohm**



Deep chemical insight for R&D and beyond

The i-Raman NxG and Duo are engineered for deep chemical interpretation, moving beyond simple material identification to provide real-time insight into molecular behavior. With high-sensitivity optics and multiple excitation options, i-Raman reveals functional groups, reaction pathways, polymorph transitions, and chemical changes in real time and in routine analysis.



CHOOSE NxG

- Multiple wavelength options (532, 785, 1064 nm) reduce fluorescence and expand application range
- Compact, benchtop design fits into labs without compromising space
- High-throughput design for faster measurements and detection of the faintest signals
- Turn exploratory science into routine decision-making

CHOOSE DUO

- Dual laser excitation for 100 – 4600 cm^{-1} Raman shift range
- Reveal the stretch region for hydrogen bonding analysis
- Reduced fluorescence for colored and complex samples



Flexibility at Your Fingertips

The fiber optic probe of the i-Raman NxG interfaces with numerous demountable accessories, allowing you to measure liquids, solids, tablets, powders and more.

AVAILABLE ACCESSORIES

- 15 mm vial holder
- 10 mm cuvette holder
- Immersion shaft (SS316 or Hastelloy)
- Non-contact adapter (5mm working distance)
- See-through adapter
- Standoff telescope
- Video microscope
- SCHOTT Viewport® adapter
- Flow cell adapter



Software Made Simple

i-Raman NxG is powered by SpecSuite, an all-in-one platform that supports Raman measurements from exploratory analysis to routine operation.



With SpecSuite, Raman spectroscopy is easier than ever. Our modular software design gives you powerful tools for research, development, and quality control.

- Explore – Real-time data visualization, timelines, and peak analysis
- Identify – Create spectral libraries, perform see-through analysis, deploy Metrohm's Comprehensive Raman Libraries
- Quantify – Build prediction models and deploy for routine analysis
- Be compliant – Add 21 CFR Part 11, USP <858>, and user rights management

ORDERING INFORMATION

i-Raman NG	The i-Raman NxG is built for high-performance quality control, utilizing high-throughput, low-noise spectrometers that can provide fast measurements and detect even the faintest Raman signals.
29540010	i-Raman NxG 532
29540030	i-Raman NxG 785H
29540040	i-Raman NxG 785S
29540050	i-Raman NxG 1064
i-Raman Duo	The i-Raman Duo features patented concatenated Raman technology, using two lasers to measure up to 4600 cm⁻¹. This high-wavenumber region is helpful for applications such as petroleum, biomedical, and agricultural measurements.
29540060	i-Raman Duo