# i-Raman Plus

## Laboratory Raman Solutions for Research and Education

### SOFTWARE

SpecSuite is an all-in-one software suite designed for data collection, reaction monitoring, and material identification.

**SpecSuite software offers:**

- Tools for data visualization and simple data collection control
- Timeline analysis to monitor reactions and trends over time
- Metrohm Comprehensive Raman Library with focused sub-libraries for accurate identification of unknowns

### ACCESSORIES

- Cuvette and liquid vial holders
- Video microscope with objectives for 10 to 100x magnification
- Probe holder with sample positioning stage
- Class 1 laser safety enclosure
- Full range of long working distance optics up to 6 meters
- And more

| | i-Raman Plus | | |
|---|---|---|---|
| Part Number | 29550010 | 29550020 | 29550030 |
| **Performance** | | | |
| Laser wavelength | 532 nm | 785 nm (HR) | 785 nm (S) |
| Spectral range | 65 – 3400 $cm^{-1}$ | 65 – 2800 $cm^{-1}$ | 65 – 3350 $cm^{-1}$ |
| Resolution | <3.5 $cm^{-1}$ at 614 nm | <3.5 $cm^{-1}$ at 912 nm | <4.5 $cm^{-1}$ at 912 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 | | |
| Minimum integration time | 100 ms | | |
| **Power and electronics** | | | |
| Input voltage | 100 – 240 VAC 50/60 Hz | | |
| Output voltage | 12V DC at 6.6A | | |
| Data communication | USB-C | | |
| Sampling | 1.5 m lab-grade fiber probe with trigger cable | | |
| **Physical properties** | | | |
| Weight | ~5.8 kg (~12.5 lbs) | | |
| Operating temperature range | 0 – 35 °C, noncondensing | | |
| Dimensions | H: 24.2 cm (9.5 in) x W: 16.9 cm (6.7 in) x D: 33.3 cm (13.1 in) | | |

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