Configuration

Model		EduRaman Pro
Appearance		
Function	Raman Spectrometer	●
	Microscopy Module	●
	Absorption Module	●
	Fluorescence Module	●
	Dual-Grating Configuration	●
	Calibration	●
Optional	Excitation wavelength 532 nm	Spectral Range: 150–2400 cm^{-1}, 2400–4000 cm^{-1} @ 1200 g/mm; 450–950 nm @ 150 g/mm Spectral Resolution: ≤ 6 cm^{-1} @ 1200 g/mm; ≤ 2 nm @ 150 g/mm Spectral Accuracy: ≤ 3 cm^{-1} @ 1200 g/mm; ≤ 1 nm @ 150 g/mm Spectral Repeatability: ≤ 1 cm^{-1} @ 1200 g/mm; ≤ 1 nm @ 150 g/mm
	Excitation wavelength 633 nm	Spectral Range: 150–2200 cm^{-1}, 2200–3900 cm^{-1} @ 900 g/mm; 450–950 nm @ 150 g/mm Spectral Resolution: ≤ 6 cm^{-1} @ 900 g/mm; ≤ 2 nm @ 150 g/mm Spectral Accuracy: ≤ 3 cm^{-1} @ 900 g/mm; ≤ 1 nm @ 150 g/mm Spectral Repeatability: ≤ 1 cm^{-1} @ 900 g/mm; ≤ 1 nm @ 150 g/mm
	Excitation wavelength 785 nm	Spectral Range: 150–2000 cm^{-1}, 2000–3500 cm^{-1} @ 600 g/mm; 450–950 nm @ 150 g/mm Spectral Resolution: ≤ 6 cm^{-1} @ 600 g/mm; ≤ 2 nm @ 150 g/mm Spectral Accuracy: ≤ 3 cm^{-1} @ 600 g/mm; ≤ 1 nm @ 150 g/mm Spectral Repeatability: ≤ 1 cm^{-1} @ 600 g/mm; ≤ 1 nm @ 150 g/mm
Detector		Front-Illuminated FFT-CCD, 1024 × 60 pixels, 24 μm × 24 μm pixel size • Thermoelectric Cooling: ≥ 15°C below ambient temperature • Signal-to-Noise Ratio of the First-Order Silicon Raman Peak: ≥ 200:1
Microscopic Imaging		White LED illumination; simultaneous visualization of the laser spot and bright-field image.
Instrument Dimensions		Size:52×28×13cm; Weight:15kg
Software&Interfaces		Operating system:Windows 10 or above; Interface:USB 2.0; Software:EduRaman