Lightnovo mini Raman PRO spectrometer 2026

mRs PRO Lab Power

Name	Laser power on sample	Spectral slit sizes	Signal-to-noise ratio*	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions (LxWxH)	Weight
mRs PRO 785 Power	5-400mW	20, 35, 50um	2500:1	789-1037nm	70 - 3000cm-1	0.25nm/px, 7-10cm-1 / 9-12cm-1 / 11-14cm-1 for slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	109x75x47 (LxWxH)	420g
mRs PRO Dual Power 785/665	**785**: 5-400mW/ **665**: 5-60mW	20, 35, 50um	**785**: 2500:1 **665**: 600:1	789-1037nm	**785**:70 -3000cm-1 **665**: 2700-3700cm-1	**785**: 0.25nm/px, 7-10cm-1 / 9-12cm-1 / 11-14cm-1 **665**: 0.36nm/px, 12-15cm-1 / 13-17cm-1 / 15-18cm-1 for slit sizes 20/35/50um	**785**: 0.05nm **665**: 0.5nm	1500 l/mm	109x75x47 (LxWxH)	420g
mRs PRO 830 Power	5-400mW	20, 35, 50um	2000:1	830-1037nm	70 - 2400cm-1	0.24nm/px, 6-9cm-1 / 7-11cm-1 / 9-12cm-1 for slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	109x75x47 (LxWxH)	420g

mRs PRO Lab Standard

Name	Laser power on sample	Spectral slit sizes	Signal-to-noise ratio*	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions (LxWxH)	Weight
mRs PRO 785	0.5-70mW	20, 35, 50um	1000:1	789-1037nm	785: 70 - 3000cm-1	0.25nm/px, 7-10cm-1 / 9-12cm-1 / 11-14cm-1 for slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	109x75x47 (LxWxH)	420g
mRs PRO Dual 785/665	**785**: 0.5-70mW **665**: 5-60mW	20, 35, 50um	**785**:1000:1 **665**: 600:1	808-982nm	**785**: 70- 3000cm-1 **665**: 2700-3700cm-1	**785**: 0.25nm/px, 7-10cm-1 / 9-12cm-1 / 11-14cm-1 **665**: 0.36nm/px, 12-15cm-1 / 13-17cm-1 / 15-18cm-1 for slit sizes 20/35/50um	**785**: 0.05nm **665**: 0.5nm	1500 l/mm	109x75x47 (LxWxH)	420g

* determined as peak signal-to-noise ratio of polystyrene spectrum at 1002cm-1 at max. laser power at exposure 1 second