

Lightnovo mini Raman PRO spectrometer 2026



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 Power (multimode)	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)	580g
mRs PRO Dual Power 785/660	785: 5-400mW/ 660: 5-60mW	20, 35, 50um	785: 2500:1 660: 600:1	789-1037nm	785: 70 -3000cm ⁻¹ 660: 2700-3700cm ⁻¹	785: 0.25nm/px, 7-10cm ⁻¹ / 9-12cm ⁻¹ / 11-14cm ⁻¹ 660: 0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ for slit sizes 20/35/50um	785: 0.05nm 660: 0.5nm	1500 l/mm	109x75x47 (LxWxH)	580g
mRs PRO 830 Power (multimode)	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)	580g

mRs PRO Confocal

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 (single mode)	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)	580g
mRs PRO Dual 785/660	785: 0.5-70mW 660: 5-60mW	20, 35, 50um	785: 2500:1 660: 600:1	789-1037nm	785: 70 -3000cm ⁻¹ 660: 2700-3700cm ⁻¹	785: 0.25nm/px, 7-10cm ⁻¹ / 9-12cm ⁻¹ / 11-14cm ⁻¹ 660: 0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ for slit sizes 20/35/50um	785: 0.05nm 660: 0.5nm	1500 l/mm	109x75x47 (LxWxH)	580g

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