

Lightnovo mini Raman PRO spectrometer 2026



mRs PRO Lab multimode

Name	Laser power on sample	Max. laser power can vary in the range:	Spectral slit sizes	Signal-to-noise ratio* (determined as peak signal-to-noise ratio of polystyrene spectrum at 1002cm ⁻¹ at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
mRs 785 PRO	5-400mW	600mW	20, 35, 50um	2500:1	789 - 1037nm	70 - 3100cm ⁻¹	0.25nm/px, 7-10cm ⁻¹ / 9-12cm ⁻¹ / 11-14cm ⁻¹ corresponding to slit sizes 20/35/50um	0.1nm	1500 l/mm	112x39x34 (LxWxH)	250g
mRs PRO Dual 785/660	785: 5-400mW / 665: 5-60mW	785: 600mW / 665: 30-60mW	20, 35, 50um	785: 2500:1 / 665: 600:1	789 - 1037nm	785:70-3100cm ⁻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 corresponding to slit sizes 20/35/50um	785: 0.1nm / 665: 0.5nm	1500 l/mm	112x39x34 (LxWxH)	250g
mRs PRO 830	5-400mW	600mW	20, 35, 50um	500:1	830 - 1037nm	70 - 2400cm ⁻¹	0.24nm/px, 6-9cm ⁻¹ / 7-11cm ⁻¹ / 9-12cm ⁻¹ corresponding to slit sizes 20/35/50um	0.1nm	1500 l/mm	112x39x34 (LxWxH)	250g
mRs PRO OEM F (Full set) with ANY laser and electronics	according to base model	according to base model	20, 35, 50um	according to base model	according to base model	according to base model	according to base model	according to base model	1500 l/mm	112x39x34 (LxWxH)	250g

mRs PRO Lab confocal

Name	Laser power on sample	Max. laser power can vary in the range:	Spectral slit sizes	Signal-to-noise ratio* (determined as peak signal-to-noise ratio of polystyrene spectrum at 1002cm ⁻¹ at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
mRs 785 PRO confocal	5-70mW	100mW	20, 35, 50um	800:1	789 - 1037nm	785: 70 - 3100cm ⁻¹	0.25nm/px, 7-10cm ⁻¹ / 9-12cm ⁻¹ / 11-14cm ⁻¹ corresponding to slit sizes 20/35/50um	0.1nm	1500 l/mm	112x39x34 (LxWxH)	250g
mRs PRO Dual 785/660 confocal	785: 5-90mW / 665: 5-60mW	785:100mW / 665: 30-60mW	20, 35, 50um	785: 800:1 / 665: 600:1	808 - 982nm	785: 70- 3100cm ⁻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 corresponding to slit sizes 20/35/50um	785: 0.1nm / 665: 0.5nm	1500 l/mm	112x39x34 (LxWxH)	250g
mRs OEM F (Full set) with ANY laser and electronics	according to base model	according to base model	20, 35, 50um	according to base model	according to base model	according to base model	according to base model	according to base model	1500 l/mm	112x39x34 (LxWxH)	250g

mRs PRO Operator body (multimode)

Name	Laser power on sample	Max. laser power can vary in the range:	Spectral slit sizes	Signal-to-noise ratio* (determined as peak signal-to-noise ratio of polystyrene spectrum at 1002cm ⁻¹ at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
mRs 785 Operator PRO	10-400mW	600mW	35um	2500:1	808 - 982nm	300 - 2500cm ⁻¹	9 - 12cm ⁻¹	9 - 12cm ⁻¹	1500 l/mm	112x39x34 (LxWxH)	250g
mRs 830 Operator PRO	10-400mW	600mW	35um	2500:1	881 - 1015nm	300 - 1800cm ⁻¹	8 - 11cm ⁻¹	8 - 11cm ⁻¹	1500 l/mm	112x39x34 (LxWxH)	250g