Lightnovo mini Raman PRO spectrometer 2026

mRs PRO Lab Standard (multimode)

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 785 PRO	5-400mW	20, 35, 50um	2500:1	789-1037nm	100 - 3100cm-1	0.25nm/px, 5-8cm-1 / 7-10cm-1 / 9-12cm-1 corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	134x75x47 (LxWxH)	580g
mRs PRO Dual 785/660	785: 5-400mW/ 660: 5-60mW	20, 35, 50um	785: 2500:1 / 660: 600:1	789-1037nm	785:100 -3100cm-1 / 660: 2700-3700cm-1	785: 0.25nm/px, 5-8cm-1 / 7-10cm-1 / 9-12cm-1 // 660: 0.36nm/px, 12-15cm-1 / 13-17cm-1 / 15-18cm-1 corresponding to slit sizes 20/35/50um	785: 0.05nm / 660: 0.5nm	1500 l/mm	134x75x47 (LxWxH)	580g
mRs PRO 830	5-400mW	20, 35, 50um	2000:1	830-1037nm	80 - 2400cm-1	0.24nm/px, 6-9cm-1 / 7-11cm-1 / 9-12cm-1 corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	134x75x47 (LxWxH)	580g
mRs PRO OEM F (Full set) with ANY laser and electronics	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	134x75x47 (LxWxH)	580g

mRs PRO Confocal (singlemode)

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 785 PRO confocal	0.5-70mW	20, 35, 50um	1000:1	789-1037nm	785: 100 - 3100cm-1	0.25nm/px, 5-8cm-1 / 7-10cm-1 / 9-12cm-1corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm-1	1500 l/mm	134x75x47 (LxWxH)	580g
mRs PRO Dual 785/660 confocal	785: 0.5-70mW/ 660: 5-60mW	20, 35, 50um	785:1000:1 / 660: 600:1	808-982nm	785: 100- 3100cm-1 / 660: 2700-3700cm-1	785: 0.25nm/px,5-8cm-1 / 7-10cm-1 / 9-12cm-1 // 660: 0.36nm/px, 12-15cm-1 / 13-17cm-1 / 15-18cm-1 corresponding to slit sizes 20/35/50um	785: 0.05nm / 660: 0.5nm	1500 l/mm	134x75x47 (LxWxH)	580g
mRs OEM F (Full set) with ANY laser and electronics	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	134x75x47 (LxWxH)	580g

mRs PRO Operator Standard (multimode)

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 785 Operator PRO	10-400mW	35um	2500:1	808-982nm	100 - 3100cm-1	7-10cm-1	0.05nm, 0.7cm-1	1500 l/mm	134x75x47	580g
mRs 830 Operator PRO	10-400mW	35um	2000:1	881-1015nm	80 - 1800cm-1	7-11cm-1	0.05nm, 0.7cm-1	1500 l/mm	134x75x47	580g

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