

Lightnovo miniRaman spectrometer



mRs Lab body

Name	Manufactur P/N	Working wavelength of the laser	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 665 Full Range Standard	mRs665FRST	665	5-50mW	35-65mW	20, 35, 50um	500:1	679 - 882nm	250 - 3700cm ⁻¹	0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ corresponding to slit sizes 20/35/50um	0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 665 Full Range Power	mRs665FRP	665	10-80mW	65-90mW	20, 35, 50um	500:1	679 - 882nm	250 - 3700cm ⁻¹	0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ corresponding to slit sizes 20/35/50um	0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 665 Full Range SERS	mRs665FRSERS	665	0.5-15mW	10-35mW	20, 35, 50um	100:1	679 - 882nm	250 - 3700cm ⁻¹	0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ corresponding to slit sizes 20/35/50um	0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785 Standard	mRs785ST	789	5-50mW	35-65mW	20, 35, 50um	500:1	808-982nm	300 - 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	109x53x47 (LxWxH)	250g
mRs 785 SERS	mRs785SERS	789	0.5-15mW	10-35mW	20, 35, 50um	100:1	808-982nm	300 - 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	109x53x47 (LxWxH)	250g
mRs 785/660 Standard	mRs785665ST	789/665	785: 5-50mW/ 665: 5-35mW	785: 35-65mW/ 665: 30-40mW	20, 35, 50um	785: 500:1 / 665: 600:1	808-982nm	785: 300 - 2500cm ⁻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	109x53x47 (LxWxH)	250g
mRs OEM F (Full set) with ANY laser and electronics	mRsOEMF	665/789/859	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	50x20x12 (LxWxH)	250g
mRs OEM spectrograph 665	mRsOEMS665	no laser	no laser	no laser	20, 35, 50um	N/A	according to base model	250 - 3700cm ⁻¹	0.36nm/px, 12-15cm ⁻¹ / 13-17cm ⁻¹ / 15-18cm ⁻¹ corresponding to slit sizes 20/35/50um	NA	1500 l/mm	50x20x12 (LxWxH)	30g
mRs OEM spectrograph 785	mRsOEMS785	no laser	no laser	no laser	20, 35, 50um	N/A	according to base model	300 - 3100cm ⁻¹	0.25nm/px, 7-10cm ⁻¹ / 9-12cm ⁻¹ / 11-14cm ⁻¹ corresponding to slit sizes 20/35/50um	NA	1500 l/mm	50x20x12 (LxWxH)	30g

mRs Operator body

Name	Manufactur P/N	Working wavelength of the laser	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 665 Operator	mRsO1001	665	5-50mW	35-60mW	35um	500:1	679 - 882nm	300 - 3700cm ⁻¹	13-17cm ⁻¹	13-17cm ⁻¹	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785 Operator	mRsO1003	789	10-100mW	90-110mW	35um	1000:1	808 - 982nm	300 - 3100cm ⁻¹	9-12cm ⁻¹	9-12cm ⁻¹	1500 l/mm	109x53x47 (LxWxH)	250g