

## Lightnovo mini Raman spectrometer 2026



### mRs Lab body

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 <sup>-1</sup> at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
mRs 660 Full Range Power	10-80mW	65-90mW	20, 35, 50um	500:1	679 - 882nm	270 - 3700cm <sup>-1</sup>	0.36nm/px, 9-13cm <sup>-1</sup> / 11-15cm <sup>-1</sup> / 13-17cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 660 Full Range SERS	1-15mW	10-35mW	20, 35, 50um	100:1	679 - 882nm	270 - 3700cm <sup>-1</sup>	0.36nm/px, 9-13cm <sup>-1</sup> / 11-15cm <sup>-1</sup> / 13-17cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785 Standard	5-50mW	40-70mW	20, 35, 50um	500:1	808 - 982nm	300 - 3100cm <sup>-1</sup>	0.25nm/px, 6-9cm <sup>-1</sup> / 7-10cm <sup>-1</sup> / 9-13cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	0.1nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785 SERS	1-15mW	10-35mW	20, 35, 50um	100:1	808 - 982nm	300 - 3100cm <sup>-1</sup>	0.25nm/px, 6-9cm <sup>-1</sup> / 7-10cm <sup>-1</sup> / 9-13cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	0.1nm	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785/660 Standard	785: 5-50mW / 660: 5-45mW	785: 40-75mW / 660: 35-60mW	20, 35, 50um	785: 500:1 / 665: 600:1	808 - 982nm	785: 300 - 2500cm <sup>-1</sup> / 660: 2700-3700cm <sup>-1</sup>	785: 0.25nm/px, 6-9cm <sup>-1</sup> / 7-10cm <sup>-1</sup> / 9-13cm <sup>-1</sup> // 660: 0.36nm/px, 12-15cm <sup>-1</sup> / 13-17cm <sup>-1</sup> / 15-18cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	785: 0.1nm / 660: 0.5nm	1500 l/mm	109x53x47 (LxWxH)	250g

### OEM solutions

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 <sup>-1</sup> at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
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	50x20x12 (LxWxH)	250g
mRs OEM spectrograph 660	no laser	no laser	20, 35, 50um	N/A	according to base model	270 - 3700cm <sup>-1</sup>	0.36nm/px, 9-13cm <sup>-1</sup> / 11-15cm <sup>-1</sup> / 13-17cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	NA	1500 l/mm	50x20x12 (LxWxH)	30g
mRs OEM spectrograph 785	no laser	no laser	20, 35, 50um	N/A	according to base model	300 - 3100cm <sup>-1</sup>	0.25nm/px, 6-9cm <sup>-1</sup> / 7-10cm <sup>-1</sup> / 9-13cm <sup>-1</sup> corresponding to slit sizes 20/35/50um	NA	1500 l/mm	50x20x12 (LxWxH)	30g

### mRs Operator body

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 <sup>-1</sup> at max. laser power at exposure 1 second)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
mRs 660 Operator	5-50mW	35-60mW	35um	500:1	679 - 882nm	250 - 3700cm <sup>-1</sup>	11-15cm <sup>-1</sup>	13-17cm <sup>-1</sup>	1500 l/mm	109x53x47 (LxWxH)	250g
mRs 785 Operator	10-100mW	90-110mW	35um	1000:1	808-982nm	300 - 3100cm <sup>-1</sup>	7-10cm <sup>-1</sup>	9-12cm <sup>-1</sup>	1500 l/mm	109x53x47 (LxWxH)	250g