

mRs PRO S/P/F 2024



mRs PRO Lab multimode

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 785 PRO point	mRs785PROp	785	5-400mW	600mW	20, 35, 50um	2500:1	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	112x39x34 (LxWxH)	
mRs 785 PRO line	mRs785PROl	789	5-400mW	600mW	20, 35, 50um	2500:1	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	112x39x34 (LxWxH)	
mRs PRO Dual 785/660 point	mRsPROdp	789/665	785: 5-400mW/ 665: 5-60mW	785: 600mW/ 665: 30-60mW	20, 35, 50um	785: 2500:1 / 665: 600:1	808-982nm	785: 300 - 2700cm ⁻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)	
mRs PRO Dual 785/660 line	mRsPROdl	789/665	785: 5-400mW/ 665: 5-60mW	785: 600mW/ 665: 30-60mW	20, 35, 50um	785: 2500:1 / 665: 600:1	808-982nm	785: 300 - 2700cm ⁻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)	
mRs PRO 830 point	mRs830PROp	830	5-400mW	600mW	20, 35, 50um	500:1	881-1015nm	300 - 1800cm ⁻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)	
mRs PRO 830 line	mRs830PROl	830	5-400mW	600mW	20, 35, 50um	500:1	881-1015nm	300 - 1800cm ⁻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)	
mRs PRO OEM F (Full set) with ANY laser and electronics	mRsPROOEMF	785/830	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)	

mRs PRO Lab confocal

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mRs 785 PRO confocal	mRs785PROp	785	5-90mW	100mW	20, 35, 50um	800:1	808-982nm	785: 300 - 2500cm ⁻¹ / 665: 2700-3700cm ⁻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)	
mRs PRO Dual 785/660 confocal	mRsPROdp	789/665	785: 5-90mW/ 665: 5-60mW	785:100mW/ 665: 30-60mW	20, 35, 50um	785: 800:1 / 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	112x39x34 (LxWxH)	
mRs PRO 830 confocal	mRs830PROp	830	5-90mW	100mW	20, 35, 50um	800:1	881-1015nm	300 - 1800cm ⁻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)	
mRs OEM F (Full set) with ANY laser and electronics	mRsPROOEMF	785/830	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)	

mRs Operator body (multimode)

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mRs 785 Operator PRO	mRsO1003	789	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	mRsO1004	859	10-400mW	600mW	35um	2500:1	881-1015nm	300 - 1800cm ⁻¹	8-11cm ⁻¹	8-11cm ⁻¹	1500 l/mm	112x39x34 (LxWxH)	250g