

Lightnovo RG spectrometer



RGs body

Name	Manufactur P/N	Working wavelength of the laser	Laser power on sample	Max. laser power can vary in the range:	Laser power stability on sample (variation during 8 hours)	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, slit 35um)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
RGs 405 Confocal	RGs405C	405	10-80mW	70-85 mW	0.05%	20, 35, 50um	1000:1	407 - 477nm	120 - 3700cm ⁻¹	0.06nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.03nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 405 Confocal iXon module	RGs405CmX	405	10-80mW	70-85 mW	0.05%	20, 35, 50um	2500:1	407 - 477nm	120 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	0.03nm, 1.5cm ⁻¹	2800 l/mm		
RGs 405 Confocal iVac module	RGs405CmV	405	10-80mW	70-85 mW	0.05%	20, 35, 50um	2300:1	407 - 477nm	120 - 3700cm ⁻¹	0.04nm/px, 2.4-4.4cm ⁻¹ at slit size 50um	0.03nm, 1.5cm ⁻¹	2800 l/mm		
RGs 405 Confocal Large Power Range (LPR)	RGs405CLPR	405	0.01-70mW	55-75 mW	0.05%	20, 35, 50um	800:1	407 - 477nm	120 - 3700cm ⁻¹	0.06nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.03nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 405 Confocal Large Power Range (LPR) iXon module (copy)	RGs405CLPRmX	405	0.01-70mW	55-75 mW	0.05%	20, 35, 50um	2000:1	407 - 477nm	120 - 3700cm ⁻¹	0.06nm/px, 3-5cm ⁻¹ / 4-6cm-1 / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.03nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 405 Confocal Large Power Range (LPR) iVac module	RGs405CLPRmV	405	0.01-70mW	55-75 mW	0.05%	20, 35, 50um	1850:1	407 - 477nm	120 - 3700cm ⁻¹	0.06nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.03nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal	RGs532C	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1200:1	532 - 662nm	80 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal iXon	RGs532CmX	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	2500:1	532 - 662nm	80 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm		
RGs 532 Confocal iVac	RGs532CmV	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	2300:1	532 - 662nm	80 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm		
RGs 532 Confocal LPR	RGs532CLPR	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	1000:1	532 - 662nm	80 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal LPR iXon module	RGs532CLPRmX	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	2100:1	532 - 662nm	80 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal LPR iVac module	RGs532CLPRmV	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	1900:1	532 - 662nm	80 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR	RGs532CHR	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	800:1	535 - 600nm	80 - 2040cm ⁻¹	0.05nm/px, 1.5-3cm ⁻¹ / 2-4cm ⁻¹ / 2.5-3.5cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR iXon module	RGs532CHRmX	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1250:1	535 - 600nm	80 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR iVac module	RGs532CHRmV	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1150:1	535 - 600nm	80 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR	RGs532CHRLPR	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	600:1	535 - 600nm	80 - 2040cm ⁻¹	0.05nm/px, 1.5-3cm ⁻¹ / 2-4cm ⁻¹ / 2.5-3.5cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR iXon module	RGs532CHRLPRmX	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	940:1	535 - 600nm	80 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	0.07nm, 1.5cm-1	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR iVac module	RGs532CHRLPRmV	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	870:1	535 - 600nm	80 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Confocal	RGs638C	638	10-75mW	65-80 mW	0.05%	20, 35, 50um	1000:1	638 - 835nm	70 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Confocal iXon module	RGs638CmX		10-75mW	60-75 mW	0.05%	20, 35, 50um	2500:1	638 - 835nm	70 - 3700cm ⁻¹	0.2nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm		
RGs 638 Confocal iVac module	RGs638CmV		10-75mW	60-75 mW	0.05%	20, 35, 50um	2300:1	638 - 835nm	70 - 3700cm ⁻¹	0.11nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm		
RGs 638 Confocal LPR	RGs638CLPR	638	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	800:1	638 - 835nm	70 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Confocal LPR iXon module	RGs638CLPRmX	638	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	2100:1	638 - 835nm	70 - 3700cm ⁻¹	0.2nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Confocal LPR iVac module	RGs638CLPRmV	638	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	1900:1	638 - 835nm	70 - 3700cm ⁻¹	0.11nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Power	RGs638P	638	30-330mW	300-350 mW	0.05%	20, 35, 50um	2500:1	638 - 835nm	70 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Power iXon module	RGs638P	638	30-330mW	300-350 mW	0.05%	20, 35, 50um		638 - 835nm	70 - 3700cm ⁻¹	0.2nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Power iVac module	RGs638P	638	30-330mW	300-350 mW	0.05%	20, 35, 50um		638 - 835nm	70 - 3700cm ⁻¹	0.11nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g

RGs 638 Power LPR	RGs638PLPR	638	0.05-280mW	250-300 mW	0.05%	20, 35, 50um	2000:1	638 - 835nm	70 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Power LPR iXon module	RGs638PLPRmX	638	0.05-280mW	250-300 mW	0.05%	20, 35, 50um		638 - 835nm	70 - 3700cm ⁻¹	0.2nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 638 Power LPR iVac module	RGs638PLPRmV	638	0.05-280mW	250-300 mW	0.05%	20, 35, 50um		638 - 835nm	70 - 3700cm ⁻¹	0.11nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1300 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Confocal	RGs785C	785	10-95mW	85-100 mW	0.05%	20, 35, 50um	1000:1	785 - 982nm	70 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Confocal iXon module	RGs785CmX		10-95mW	85-100 mW	0.05%		2000:1	785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm		
RGs 785 Confocal iVac module	RGs785CmV		10-95mW	85-100 mW	0.05%		2500:1	785 - 982nm	70 - 2500cm ⁻¹	0.11nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm		
RGs 785 Confocal LPR	RGs785CLPR	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	800:1	785 - 982nm	70 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Confocal LPR iXon module	RGs785CLPRmX	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	1850:1	785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Confocal LPR iVac module	RGs785CLPRmV	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	2000:1	785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power	RGs785P	785	70-500mW	650-750 mW	0.05%	20, 35, 50um	3000:1	785 - 982nm	70 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power iXon module	RGs785PmX	785	70-500mW	650-750 mW	0.05%	20, 35, 50um		785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power iVac module	RGs785PmV	785	70-500mW	650-750 mW	0.05%	20, 35, 50um		785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power LPR	RGs785PLPR	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um	2500:1	785 - 982nm	70 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power LPR iXon module	RGs785PLPRmX	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um		785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 785 Power LPR iVac module	RGs785PLPRmV	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um		785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Confocal	RGs830C	830	5-70mW	60-75 mW	0.05%	20, 35, 50um	900:1	830 - 1047nm	70 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Confocal iXon module	RGs830CmX	830	5-70mW	60-75 mW			2000:1	830 - 1047nm	70 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm		
RGs 830 Confocal iVac module	RGs830mV	830	5-70mW	60-75 mW			2500	830 - 1047nm	70 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm		
RGs 830 Confocal LPR	RGs830CLPR	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	800:1	830 - 1047nm	70 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Confocal LPR iXon module	RGs830CLPRmX	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	1800:1	830 - 1047nm	70 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Confocal LPR iVac module	RGs830CLPRmV	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	2200:1	830 - 1047nm	70 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um	2500:1	830 - 1047nm	70 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power iXon module	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um		830 - 1047nm	70 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power iVac module	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um		830 - 1047nm	70 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power LPR	RGs830PLPR	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um	2000:1	830 - 1047nm	70 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power LPR iXon module	RGs830PLPRmX	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um		830 - 1047nm	70 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 830 Power LPR iVac module	RGs830PLPRmV	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um		830 - 1047nm	70 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs OEM F (Full set) with ANY laser and electronics	RGsOEMF	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	N/A	N/A	N/A	N/A	N/A	195x95x48 (LxWxH)	1200g
RGs spectrograph VIS-NIR	RGs VISNIR	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	400 - 900nm	N/A	0.4nm/px	N/A	600 l/mm	140x95x50 (LxWxH)	500g
RGs OEM spectrograph 405	RGsOEMS405	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	407 - 477nm	120 - 3700cm ⁻¹	0.06nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	2800 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 405 iXon module	RGsOEMS405mX		5-70mW	60-75 mW	0.05%			407 - 477nm	120 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um		2800 l/mm		
RGs OEM spectrograph 405 iVac module	RGsOEMS405mV		5-70mW	60-75 mW	0.05%			407 - 477nm	120 - 3700cm ⁻¹	0.04nm/px, 2.4-4.4cm ⁻¹ at slit size 50um		2800 l/mm		
RGs OEM spectrograph 532	RGsOEMS532	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	532 - 662nm	80 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	1800 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 532 iXon module	RGsOEMS532mX		5-70mW	60-75 mW	0.05%			532 - 662nm	80 - 3700cm ⁻¹	0.13nm/px, 4-6cm ⁻¹ at slit size 50um		1800 l/mm		

RGs OEM spectrograph 532 iVac module	RGsOEMS532mV		5-70mW	60-75 mW	0.05%			532 - 662nm	80 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um		1800 l/mm		
RGs OEM spectrograph 532 HR	RGsOEMS532HR	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	535 - 600nm	80 - 2040cm ⁻¹	0.05nm/px, 1.5-3cm ⁻¹ / 2-4cm ⁻¹ / 2.5-3.5cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	2800 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 532 HR iXon module	RGsOEMS532HRmX	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	535 - 600nm	80 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	N/A	2800 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 532 HR iVac module	RGsOEMS532HRmV	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	535 - 600nm	80 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	N/A	2800 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 638	RGsOEMS638	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	638 - 835nm	70 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	1300 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 638 iXon module	RGsOEMS638mX		5-70mW	60-75 mW	0.05%			638 - 835nm	70 - 3700cm ⁻¹	0.2nm/px, 4-6cm ⁻¹ at slit size 50um		1300 l/mm		
RGs OEM spectrograph 638 iVac module	RGsOEMS638mV		5-70mW	60-75 mW	0.05%			638 - 835nm	70 - 3700cm ⁻¹	0.11nm/px, 2.2-4.2cm ⁻¹ at slit size 50um		1300 l/mm		
RGs OEM spectrograph 785	RGsOEMS785	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	785 - 982nm	70 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	1200 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 785 iXon module	RGsOEMS785mX	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	785 - 982nm	70 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	N/A	1200 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 785 iVac module	RGsOEMS785mV	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	785 - 982nm	70 - 2500cm ⁻¹	0.11nm/px, 1.5-3cm ⁻¹ at slit size 50um	N/A	1200 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 830	RGsOEMS830	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	830 - 1047nm	70 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	N/A	1100 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 830 iXon module	RGsOEMS830mX	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	830 - 1047nm	70 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	N/A	1100 l/mm	200x100x50 (LxWxH)	500g
RGs OEM spectrograph 830 iVac module	RGsOEMS830mV	N/A	5-70mW	60-75 mW	0.05%	20, 35, 50um	N/A	830 - 1047nm	70 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	N/A	1100 l/mm	200x100x50 (LxWxH)	500g

RGs Operator body

Name	Manufactur P/N	Working wavelength of the laser	Laser power on sample	Max. laser power can vary in the range:	Laser power stability on sample (variation during 8 hours)	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, slit 35um)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
RGs Operator 638 Power	RGs4001	405	5-70mW	60-75 mW	60-75 mW	20, 35, 50um	1000:1	407 - 477nm	120 - 3700cm ⁻¹	5-8cm ⁻¹ (slit dependent, slit size can be customized)	5-8cm ⁻¹ (slit dependent, slit size can be customized)	2500 l/mm	200x100x50 (LxWxH)	1500g
RGs Operator 785 Power	RGs4001	405	5-70mW	60-75 mW	60-75 mW	20, 35, 50um	1000:1	407 - 477nm	120 - 3700cm ⁻¹	5-8cm ⁻¹ (slit dependent, slit size can be customized)	5-8cm ⁻¹ (slit dependent, slit size can be customized)	2500 l/mm	200x100x50 (LxWxH)	1500g
RGs Operator 830 Power	RGs4001	405	5-70mW	60-75 mW	60-75 mW	20, 35, 50um	1000:1	407 - 477nm	120 - 3700cm ⁻¹	5-8cm ⁻¹ (slit dependent, slit size can be customized)	5-8cm ⁻¹ (slit dependent, slit size can be customized)	2500 l/mm	200x100x50 (LxWxH)	1500g

RGs Operator body

Name	Manufactur P/N	Working wavelength of the laser	Laser power on sample	Max. laser power can vary in the range:	Laser power stability on sample (variation during 8 hours)	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, slit 35um)	Spectral Range	Raman shift	Spectral resolution	Laser spectral linewidth	Grating	Physical dimensions	Weight
RGs PRO 785 Confocal	RGsPRO785C	785	10-95mW	85-100 mW	0.05%	20, 35, 50um	1000:1	785 - 982nm	25 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Confocal iXon module	RGsPRO785CmX		10-95mW	85-100 mW	0.05%		2000:1	785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm		
RGs PRO 785 Confocal iVac module	RGsPRO785CmV		10-95mW	85-100 mW	0.05%		2500:1	785 - 982nm	25 - 2500cm ⁻¹	0.11nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm		
RGs PRO 785 Confocal LPR	RGsPRO785CLPR	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	800:1	785 - 982nm	25 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g

RGs PRO 785 Confocal LPR iXon module	RGsPRO785CLPRmX	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	1850:1	785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Confocal LPR iVac module	RGsPRO785CLPRmV	785	0.01-80mW	70-90 mW	0.05%	20, 35, 50um	2000:1	785 - 982nm	25- 2500cm-1	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power	RGsPRO785P	785	70-500mW	650-750 mW	0.05%	20, 35, 50um	3000:1	785 - 982nm	25 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power iXon module	RGsPRO785PmX	785	70-500mW	650-750 mW	0.05%	20, 35, 50um		785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power iVac module	RGsPRO785Pmv	785	70-500mW	650-750 mW	0.05%	20, 35, 50um		785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power LPR	RGsPRO785PLPR	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um	2500:1	785 - 982nm	25 - 2500cm ⁻¹	0.15nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power LPR iXon module	RGsPRO785PLPRmX	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um		785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 785 Power LPR iVac module	RGsPRO785PLPRmV	785	0.1-500mW	600-700 mW	0.05%	20, 35, 50um		785 - 982nm	25 - 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1200 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Confocal	RGs830C	830	5-70mW	60-75 mW	0.05%	20, 35, 50um	900:1	830 - 1047nm	40 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Confocal iXon module	RGs830CmX	830	5-70mW	60-75 mW			2000:1	830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm		
RGs PRO 830 Confocal iVac module	RGs830mV	830	5-70mW	60-75 mW			2500	830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm		
RGs PRO 830 Confocal LPR	RGs830CLPR	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	800:1	830 - 1047nm	40 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Confocal LPR iXon module	RGs830CLPRmX	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	1800:1	830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Confocal LPR iVac module	RGs830CLPRmV	830	0.01-65mW	55-70 mW	0.05%	20, 35, 50um	2200:1	830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um	2500:1	830 - 1047nm	40 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power iXon module	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power iVac module	RGs830P	830	50-380mW	360-400 mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power LPR	RGs830PLPR	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um	2000:1	830 - 1047nm	40 - 2400cm ⁻¹	0.17nm/px, 2-4cm ⁻¹ / 3-5cm ⁻¹ / 4-6cm ⁻¹ corresponding to slit sizes 20/35/50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power LPR iXon module	RGs830PLPRmX	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs PRO 830 Power LPR iVac module	RGs830PLPRmV	830	0.1-330mW	310-340 mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	0.05nm, 0.7cm ⁻¹	1100 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal	RGs532C	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1200:1	532 - 662nm	38 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal iXon	RGs532CmX	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	2500:1	532 - 662nm	38 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm		
RGs 532 Confocal iVac	RGs532CmV	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	2300:1	532 - 662nm	38 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm		
RGs 532 Confocal LPR	RGs532CLPR	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	1000:1	532 - 662nm	38 - 3700cm ⁻¹	0.1nm/px, 3-5cm ⁻¹ / 4-6cm ⁻¹ / 5-7cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal LPR iXon module	RGs532CLPRmX	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	2100:1	532 - 662nm	38 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal LPR iVac module	RGs532CLPRmV	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	1900:1	532 - 662nm	38 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	1800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR	RGs532CHR	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	800:1	535 - 600nm	38 - 2040cm ⁻¹	0.05nm/px, 1.5-3cm ⁻¹ / 2-4cm ⁻¹ / 2.5-3.5cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR iXon module	RGs532CHRmX	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1250:1	535 - 600nm	38 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR iVac module	RGs532CHRmV	532	10-110mW	100-120 mW	0.05%	20, 35, 50um	1150:1	535 - 600nm	38 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR	RGs532CHRLPR	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	600:1	535 - 600nm	38 - 2040cm ⁻¹	0.05nm/px, 1.5-3cm ⁻¹ / 2-4cm ⁻¹ / 2.5-3.5cm ⁻¹ corresponding to slit sizes 20/35/50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR iXon module	RGs532CHRLPRmX	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	940:1	535 - 600nm	38 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g
RGs 532 Confocal HR LPR iVac module	RGs532CHRLPRmV	532	0.01-100mW	80-110 mW	0.05%	20, 35, 50um	870:1	535 - 600nm	38 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	0.07nm, 1.5cm ⁻¹	2800 l/mm	200x100x50 (LxWxH)	1500g