

Lightnovo RG PRO spectrometer



Name	Manufactur P/N	Working wavelength of the laser	Laser power on sample	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	Grating	Physical dimensions	Weight
RGs PRO 785	RGsPRO785C	785	10-95mW	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	1200 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 785 iXon module	RGsPRO785CmX	785	10-95mW	0.05%		2000:1	785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 iVac module	RGsPRO785CmV	785	10-95mW	0.05%		2500:1	785 - 982nm	25- 2500cm ⁻¹	0.11nm/px, 1.5-3cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 LPR	RGsPRO785CLPR	785	0.01-80mW	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	1200 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 785 LPR iXon module	RGsPRO785CLPRmX	785	0.01-80mW	0.05%	20, 35, 50um	1850:1	785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 LPR iVac module	RGsPRO785CLPRmV	785	0.01-80mW	0.05%	20, 35, 50um	2000:1	785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 Power	RGsPRO785P	785	70-500mW	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	1200 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 785 Power iXon module	RGsPRO785PmX	785	70-500mW	0.05%	20, 35, 50um		785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 Power iVac module	RGsPRO785PmV	785	70-500mW	0.05%	20, 35, 50um		785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 Power LPR	RGsPRO785PLPR	785	0.1-500mW	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	1200 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 785 Power LPR iXon module	RGsPRO785PLPRmX	785	0.1-500mW	0.05%	20, 35, 50um		785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 785 Power LPR iVac module	RGsPRO785PLPRmV	785	0.1-500mW	0.05%	20, 35, 50um		785 - 982nm	25- 2500cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1200 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830	RGs830C	830	5-70mW	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	1100 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 830 iXon module	RGs830CmX	830	5-70mW	0.05%		2000:1	830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 iVac module	RGs830mV	830	5-70mW	0.05%		2500	830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 LPR	RGs830CLPR	830	0.01-65mW	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	1100 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 830 LPR iXon module	RGs830CLPRmX	830	0.01-65mW	0.05%	20, 35, 50um	1800:1	830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 LPR iVac module	RGs830CLPRmV	830	0.01-65mW	0.05%	20, 35, 50um	2200:1	830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 Power	RGs830P	830	50-380mW	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	1100 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 830 Power iXon module	RGs830P	830	50-380mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 Power iVac module	RGs830P	830	50-380mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 Power LPR	RGs830PLPR	830	0.1-330mW	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	1100 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 830 Power LPR iXon module	RGs830PLPRmX	830	0.1-330mW	0.05%	20, 35, 50um		830 - 1047nm	40 - 2400cm ⁻¹	0.19nm/px, 2.5-4.5cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 830 Power LPR iVac module	RGs830PLPRmV	830	0.1-330mW	0.05%	20, 35, 50um		830 - 1047nm	40- 2400cm ⁻¹	0.12nm/px, 1.5-3cm ⁻¹ at slit size 50um	1100 l/mm	350 x 110 x 61 mm (LxWxH)	

RGs PRO 532	RGs532C	532	10-110mW	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	1800 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 532 iXon	RGs532CmX	532	10-110mW	0.05%	20, 35, 50um	2500:1	532 - 662nm	38 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	1800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 iVac	RGs532CmV	532	10-110mW	0.05%	20, 35, 50um	2300:1	532 - 662nm	38 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	1800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 LPR	RGs532CLPR	532	0.01-100mW	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	1800 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 532 LPR iXon module	RGs532CLPRmX	532	0.01-100mW	0.05%	20, 35, 50um	2100:1	532 - 662nm	38 - 3700cm ⁻¹	0.08nm/px, 4-6cm ⁻¹ at slit size 50um	1800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 LPR iVac module	RGs532CLPRmV	532	0.01-100mW	0.05%	20, 35, 50um	1900:1	532 - 662nm	38 - 3700cm ⁻¹	0.07nm/px, 2.2-4.2cm ⁻¹ at slit size 50um	1800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 HR	RGs532CHR	532	10-110mW	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	2800 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 532 HR iXon module	RGs532CHRmX	532	10-110mW	0.05%	20, 35, 50um	1250:1	535 - 600nm	38 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	2800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 HR iVac module	RGs532CHRmV	532	10-110mW	0.05%	20, 35, 50um	1150:1	535 - 600nm	38 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	2800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 HR LPR	RGs532CHRLPR	532	0.01-100mW	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	2800 l/mm	350 x 110 x 61 mm (LxWxH)	2100g
RGs PRO 532 HR LPR iXon module	RGs532CHRLPRmX	532	0.01-100mW	0.05%	20, 35, 50um	940:1	535 - 600nm	38 - 2040cm ⁻¹	0.06nm/px, 2-4cm ⁻¹ at slit size 50um	2800 l/mm	350 x 110 x 61 mm (LxWxH)	
RGs PRO 532 HR LPR iVac module	RGs532CHRLPRmV	532	0.01-100mW	0.05%	20, 35, 50um	870:1	535 - 600nm	38 - 2040cm ⁻¹	0.03nm/px, 1.1-2.2cm ⁻¹ at slit size 50um	2800 l/mm	350 x 110 x 61 mm (LxWxH)	