



Industrial Spectroradiometers

	GR 11000	GR 22000	GR 33000
Spectral Range	300 - 1100 nm	300 - 2500 nm	300 - 2500 nm
Spectrometers	1 diffraction	2 diffraction	3 diffraction
Spectral Resolution	1.5 nm	1.5 nm (300 - 1100) 12 nm (1100 - 2500)	1.5 nm (300 - 1000) 6 nm (1000 - 1900) 5 nm (1900 - 2500)
Entrance Optics	Foreoptic: 15 degree FOV, Fiber Optic Input options available	Foreoptic: 3 or 15 degree FOV, Fiber Optic Input options available	Foreoptic: 3 or 15 degree FOV, Fiber Optic Input options available
Detector Array Type(s)	1024 Si PDA	1024 Si PDA 256 PbS Array	1024 Si PDA 256 Ext.InGaAs 256 Ext InGaAs
A/D Converter	16 bit	16 bit	16 bit
Wavelength Reproducibility	.1 nm	.1 nm	.1 nm
Wavelength Accuracy	.5 nm	.5 nm	.5 nm
Integration Time	5 - 1000 ms	50 - 1000 ms	50 - 1000 ms
Power	6 V, 0.5 W	6 V, 15 W	6 V, 18 W
Size	4" x 2" x 5"	8" x 13" x 4"	9" x 13" x 4"
Weight	< 2 lbs	< 12 lbs	< 12 lbs
Interface	RS-232, USB, 802.11b	RS-232, USB, 802.11b	RS-232, USB, 802.11b

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