BloorAzma Co.

Spectrometer

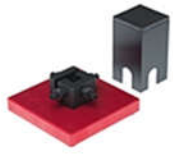
BloorSpec UV-VIS-NIR	
Operation Mode	Czerny -Turner
Wavelength Range	170 – 1100 nm (Depending on User Order)
Slit	Replacement Slit (25, 50, 100,200µm)
Stray Light	$< 0.1\%$
Resolution	$> 0.01 - 5$ nm
Wavelength Accuracy	± 0.01 nm
Signal/Noise	500:1
Sensitivity	180.000 Counts/µW – Per ms Integration Time
Interface	USB 2,3 High-Speed.480 Mbps
Detector	CCD Linear Array, 3648 Pixels
Number of Scan to Average	0-99 Scan
Integration Time	1µ sec – 360 sec
Power Supply	Default USB Power
Dimensions	200× 140 × 50 mm

Accessories for BloorSpec UV-VIS-NIR (Reflection/Absorbance/Transmission/UV-VIS)

Deuterium Halogen Light Source

Reflection Probe 90° & 45°

Cuvette



Comparison

Specifications	BloorAzma	Avantes	OceanOptics
Optical Bench	Czerny-Turner	Czerny-Turner	Czerny-Turner
Wavelength Range	170 – 1100 nm (Depending on User Order)	170-1100 nm (Depending on User Order)	170-1100 nm (Depending on User Order)
Wavelength Resolution	≥ 0.01 nm	≥ 0.01 nm	≥ 0.01nm
Wavelength Accuracy	± 0.01 nm	± 0.01 nm	± 0.01 nm
Stray Light	$< 0.1\%$	$< 0.38 - 0.53\%$	$< 0.05\%$ at 600 nm $< 0.10\%$ at 435 nm
Signal/Noise	500:1	550:1	600:1(at Full Signal)
Detector	CCD Linear Array, 3648 Pixels	CCD Linear Array, 3648 Pixels	CCD Linear Array, 3648 Pixels
Interface	USB 2.0 High-Speed, 480 Mbps	USB 2.0 High-Speed, 480 Mbps RS-232, 115.200 bps	USB 2.0 High-Speed, 480 Mbps
Dimensions	200× 140 ×50 mm	175× 110 ×44 mm	89.1 × 63.3 ×34.4 mm