

Specification Sheet

Parameter	Libra S50 Specification	Libra S60 Specification	Libra S70 Specification	Libra S80 Specification
Configuration	Split Beam	Double Beam	Double Beam	Double Beam
Lamp	Xenon	Xenon	Tungsten/Deuterium	Tungsten/Deuterium
Wavelength Range	190nm to 1100nm	190nm to 1100nm	190nm to 1100nm	190nm to 1100nm
Wavelength Accuracy	+/- 0.5nm across wavelength range	+/- 0.5nm across wavelength range	+/- 0.3nm across wavelength range	+/- 0.3nm across wavelength range
Wavelength Reproducibility	+/- 0.1nm	+/- 0.1nm	+/- 0.1nm	+/- 0.1nm
Bandwidth	2nm	2nm	1nm	Variable (0.5nm, 1nm, 2nm, 4nm)
Toluene in Hexane EP Resolution			>2.0	>2.0 at 1nm bandwidth
Stray Light	<0.050%T at 220nm using NaI and 340nm using NaNO ₃	<0.050%T at 220nm using NaI and 340nm using NaNO ₃	<0.025%T at 220nm using NaI and 340nm using NaNO ₃ <1%T at 198nm using KCl	<0.025%T at 220nm using NaI and 340nm using NaNO ₃ <1%T at 198nm using KCl
Photometric Range	-4A to 4A	-4A to 4A	-4A to 4A	-4A to 4A
Photometric Accuracy	+/-0.002A at 0.5A +/-0.004A at 1A +/-0.006A at 2A	+/-0.002A at 0.5A +/-0.004A at 1A +/-0.006A at 2A	+/-0.002A at 0.5A +/-0.004A at 1A +/-0.006A at 2A	+/-0.002A at 0.5A +/-0.004A at 1A +/-0.006A at 2A
Photometric Reproducibility	+/-0.002A at 1A	+/-0.002A at 1A	+/-0.002A at 1A	+/-0.002A at 1A
Scan Speed	>2400 nm/min	>2400 nm/min	>2400 nm/min	>2400 nm/min
Zero Stability	+/-0.001A/hr	+/-0.001A/hr	+/-0.0003A/hr at 700nm, 546nm, 500nm and 340nm in precision mode	+/-0.0003A/hr at 700nm, 546nm, 500nm and 340nm in precision mode
Noise	<0.002A near 2A at 546nm peak to peak	<0.002A near 2A at 546nm peak to peak	<0.002A near 2A at 546nm peak to peak	<0.002A near 2A at 546nm peak to peak
	< 0.00005A RMS @ 0A at 700nm and 500nm over 20 measurements	< 0.00005A RMS @ 0A at 700nm and 500nm over 20 measurements	< 0.00005A RMS @ 0A at 700nm and 500nm over 20 measurements	< 0.00005A RMS @ 0A at 700nm and 500nm over 20 measurements
Baseline Flatness			+/-0.001 A across the range	+/-0.001 A across the range

Specifications are subject to change Issue date 11/05/10

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