

Product	LabSpec® 4 Standard-Res	LabSpec 4 Hi-Res	LabSpec 4 Bench
Wavelength range	350-2500 nm	350-2500 nm	350-2500 nm
Resolution	3 nm @ 700 nm 10 nm @ 1400/2100 nm	3 nm @ 700 nm 6 nm @ 1400/2100 nm	3 nm @ 700 nm 10 nm @ 1400/2100 nm
Weight	5.44 kg (12 lbs)	5.44 kg (12 lbs)	5.2 kg (12 lbs)
Integral light source	Lamp 10 VDC, 50 W (<i>optional</i>)	Lamp 10 VDC, 50 W (<i>optional</i>)	Not available
Wireless	802.11g	802.11g	Not available
Portable	Yes	Yes	Stationary
Power	AC/DC or battery	AC/DC or battery	AC/DC

LabSpec® 4 Instrument Details

Signal-to-noise ratio	VNIR 9,000:1 @ 700 nm SWIR 1 9,000:1 @ 1400 nm SWIR 2 4,000:1 @ 2100 nm
Photometric noise	VNIR 4.8×10^{-5} AU or 48 μ AU@ 700 nm SWIR 1 4.8×10^{-5} AU or 48 μ AU@ 1400 nm SWIR 2 1.1×10^{-4} AU or 110 μ AU@ 2100 nm
Sampling interval	1.4 nm @ 350-1025 nm 2 nm @1000-2500 nm
Scanning time	100 milliseconds
Wavelength reproducibility	0.1 nm
Wavelength accuracy	0.5 nm
Channels	2151
Detectors	VNIR detector (350-1000 nm) 512 element silicon array SWIR 1 detector (1000-1800 nm) Graded Index InGaAs Photodiode, TE Cooled SWIR 2 detector (1800-2500 nm) Graded Index InGaAs Photodiode, TE Cooled
Certifications	CE certified: EN61010-1:2001 2nd Edition, EN61326-1:2006 EU Directive: 2006/95/EC, 2004/108/EC NIST traceable calibration 21 CFR, Part 11, Installed per customer request USP 1119, Installed per customer request and purchase of applicable USP Standards
Computer	Windows® 7 64-bit laptop (instrument controller)
Warranty	One year full warranty including expert customer support

For more information contact:

analytikLtd (UK and Ireland Distributor)

Barn B, 2 Cygnus Business Park, Middle Watch, Swavesey, Cambridgeshire, CB24 4AA

T: +44 (0)870 991 4044 F: +44 (0)870 135 2488 E: info@analytik.co.uk www.analytik.co.uk