

Analysis method	Near-infrared spectroscopy
Spectral range	1000 - 1900 nm
Spectral resolution	10 nm (over the entire spectral range)
Stray light	< 0.1 %
Measuring time	5s (averaging over 500 scans), configurable
Detector	InGaAs single detector, thermally stabilized at 50°C
Wavelength accuracy	± 0.5 nm (over the entire spectral range)
Wavelength reproducibility	± 0.2 nm (over the entire spectral range)
Photometric reproducibility	± 0.1 % (over the entire spectral range)
Photometric linearity (max/RMS)	1.35 % / <1 %
SNR	> 6000:1
Light source	2x 5W wolfram-halogen light source, xenon filled
Integrated references	Black, white, wavelength standard
Ambient temperature storage	-20 °C to 60 °C
Ambient temperature operating	5 to 35 °C
Relative humidity storage/ operation	≤ 80 % (non-condensing)
Pollution degree	Pollution degree 2 (DIN EN ISO 61010)
IP rating (ingress protection)	IP31
IK rating (impact protection)	IK08
Input voltage device	12 VDC
Input voltage mains adapter	100 - 240 VAC ± 10%, 50-60 Hz
Protection class mains adapter	Protection class 1
Protection class device	Protection class 3 with functional grounding
Device interfaces	USB type B, D-SUB9 (vendor specific pin assignment)
Dimensions (WxHxD)	259x181x185 mm ³ (without connectors)
Weight	2.7 kg (without accessories)



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