finder sd

Technical details of Finder SD

- Temperature-stabilised
- Dust-proof
- Customisable design
- Robust
- Device-internal calibration standards
- Patented MEMS grating technology

Technical details	
Spectral range	1.000 - 1.900 nm
Spectral resolution	10 nm
Scattered light	< 0.2 %
Measuring time	< 5 s per scan (average 500 scans)
Detector	InGaAs single detector, uncooled
Software	• QuickStep software for data acquisition and visualisation; optional: platform-independent drivers and software development kit for integration into your own application (operating systems: Windows Vista, Windows 7, Windows 8, Linux (x86/x64/ARM), Windows 10) • SensoLogic software suite for data acquisition and generation of chemometric calibration models (operating systems only 32 Bit: Windows 7, Windows 8, Windows 10)
Storage temperature	-20 to 60 °C (non-condensing)
Wavelength accuracy	± 0.5 nm
Wavelength reproducibility	± 0.2 nm
Photometric reproducibility	± 0.1 %
Photometric linearity deviation (max/RMS)	1 % / < 1 %
Light source	Tungsten-halogen burner
Probe/optical input	Diffuse reflection, 23 mm diam.
Thermal stabilisation	Yes, @ 55 °C
Dimensions	225 x 235 x 385 mm^3
Weight	9 to 9.5 kg depending on configuration
Interfaces	USB type B (additional electronical interface, e.g. for motor control or sensor input)
Power supply	12 V/5 A DC
Operating temperature	15 to 35 °C
Signal-to-noise ratio	2.000 : 1 (averaging 2.000 scans); 1.000 : 1 (averaging 500 scans)
Power consumption	36 W / 5 W (sleep mode)

Scope of delivery

- Finder hardware
- QuickStep Software
- optional: Software Developement Kit

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