








Technical details of Finder SD OEM-module

-  Fully integratable
-  Robust
-  Customisable design
-  Thermally stabilized
-  Patented MEMS grating technology

Technical details	
Spectral range	1,000 - 1,900 nm
Spectral resolution	10 nm
Stray light	< 0.2 %
Acquisition 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 system: Windows 7 SP1, Windows 8.1 Windows 10, Linux (x86/ARM))
Storage temperature	-20 to 60 °C (non-condensing)
Wavelength accuracy	± 0.5 nm
Wavelength reproducibility	± 0.2 nm
Photometric reproducibility	± 0.1 % (average over 500 scans at 25 °C)
Photometric linearity deviation (max/RMS)	1 % / < 1 %
Light source	Tungsten halogen lamp
Probe/optical input	Diffuse reflection, 23 mm diam. (powders and scattering solids; with transreflectance inset also liquids and pastes)
Thermal stabilisation	Yes
Dimensions	200 x 240 x 165 mm ³
Weight	4.55 kg
Interfaces	USB type B (connections for start button, status LED, additional connections optional, e.g. for motor control)
Power supply	12 V/8.5 A DC
Operating temperature	15 to 35 °C
SNR	2,000:1 (average 2,000 scans); 1,000:1 (average 500 scans)
Power consumption	36 W / 5 W (sleep mode)

Scope of delivery

-  Finder OEM hardware
-  QuickStep software
-  optional: Software Development Kit