


## Technical details of SGS1900







 Can be integrated

 Robust

Technical details	
Spectral range	1,000 - 1,900 nm
Spectral resolution	10 nm
Stray light	< 0.2 %
Acquisition time	< 7.7 ms per scan
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)
Thermal drift	better than $\pm 0.1$ nm/K
Wavelength accuracy	$\pm 0.5$ nm (@ 20 °C)
Wavelength reproducibility	$\pm 0.2$ nm (@ 20 °C)
Photometric reproducibility	0.15 % (average over 500 scans at 25 °C)
Probe/optical input	SMA-905 socket, NA=0.22 with or without fibre
Dimensions	105 x 80 x 86 mm <sup>3</sup>
Weight	0.8 kg (1.8 lb.)
Interfaces	Mini-USB (mini-B)
Power supply	7.5 V/700 mA
Operating temperature	15 to 50 °C

### Scope of delivery

-  Spectrometer SGS1900
-  Power supply
-  Mini-USB cable
-  CD-ROM with USB drivers and QuickStep software