



TECHNICAL SPECIFICATION

SpectraPen SP 110 UVIS

SpectraPen SP 110 NIR

Spectrum measurement	
Spectral range	340 nm - 790 nm (SP 110 UVIS) 640 nm - 1050 nm (SP 110 NIR)
Spectral response half width	9 nm (SP 110 UVIS) 8 nm (SP 110 NIR)
Wavelength reproducibility	+/- 0.5 nm
Spectral Straylight	-30 dB
Integration time	From 5 ms to 10 s
Number of pixel	256
Dynamic Range	High gain: 1:4300 Low gain: 1:13000
Optical entrance	SMA905 to 0.22 numerical aperture single-stand opticalfiber
Data storage and transfer	
Internal memory capacity	Up to 16 Mb
Internal data logging	Up to 4,000 measurements
Data transfer	USB cable
PC software	SpectraPen 1.1 (Windows 7 and higher)
Battery	
Type	Li-Ion rechargeable battery
Capacity	2600 mAh
Max. charging current	0.5 A
Charging	Via USB port - PC, power bank, USB charger, etc.
Battery life	48 hours typical with full operation Low battery indicator
Other	
Display	Touchscreen 240 x 320 pixel; 65535 colors
Built in GPS module	Ultra-high sensitivity down to -165dBm High accuracy of <1.5 m in 50% of trials
Size	150 x 75 x 40 mm
Weight	300 g
Operating conditions	Temperature: 0 to +55 °C Relative humidity: 0 to 95 % (non-condensing)
Storage conditions	Temperature: -10 to +60 °C Relative humidity: 0 to 95 % (non-condensing)
Warranty	1 year parts and labor