

## 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 Integrated Autoset function
Number of pixel	256
Dynamic Range	High gain: 1:4300 Low gain: 1:13000
Optical entrance	SMA905 with 0.22 NA single-stand optical fiber

### SYSTEM SPECIFICATION

Internal memory capacity	16 Mbit
Internal data logging	Up to 4,000 measurements
Real time clock	Yes
Data transfer	USB 2.0
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

### GENERAL SPECIFICATION

Display	Touchscreen 240 x 320 pixel; 65535 colors
Built in GPS module	Ultra-high sensitivity down to -165 dBm 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