

TECHNICAL SPECIFICATION

PolyPen RP 410 UVIS

PolyPen RP 410 NIR

Spectrum measurement	
Spectral range	380 nm - 790 nm (RP 410 UVIS) 640 nm - 1050 nm (RP 410 NIR)
Spectral response half width	8 nm
Spectral Straylight	-30 dB
Scanning Speed	About 100 ms
Dynamic Range	High gain: 1:4300 Low gain: 1:13000
Size of Aperture	7 mm
Light source	
Type	Xenon incandescent lamp
Spectral range	380-1050 nm
Data storage and transfer	
Internal memory capacity	Up to 16 Mbit
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	
Sample holder	Mechanical leaf-clip
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