

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 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 | |
| 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 |