

SPECTROLINE®

AccuPRO™ Series Digital Radiometer/Photometers

AccuPro™ Series meters feature an advanced, microprocessor-controlled readout unit calibrated to accurately measure and display both UV-A and visible light readings for non-destructive testing applications.



Available in two versions: The AccuPro™ (XP-2000) readout unit features a single dual-wavelength sensor detector designed to measure both ultraviolet and visible light. The AccuPRO™ Plus (XP-4000) features a single 3-in-1 multi-propose sensor that measures ultraviolet, visible and blue light.

These compact, lightweight, battery-operated units are ideal for use in the field, the factory or anywhere accurate light measurements are needed!

Key Features:

- Large, easy to read, LCD screen with 4-digit autoranging display
- Both units provide accurate readouts for UV-A irradiance as well as visible illuminance. AccuPRO™ Plus unit also measures blue light.
- Simply to use, three-button interface. Toggle between light measurement modes.
- Overall accuracy greater than $\pm 5\%$ per NIST standards
- Superior band-pass interference filter provides excellent cosine response
- One-touch PEAK with reset functions
- User-defined power save and automatic shutoff
- User-selectable, multilingual display settings at any operational level. Choose from English, French, German, Chinese and Spanish.
- Rugged meter features protective rubber housing for better grip and to help prevent accidental breakage
- Sealed sensor with water-resistant housing
- Multi-wavelength sensor directly attached to meter by 3 ft (0.9 m) cord
- Complies with ASTM specifications for MPI and FPI
- Convenient on-board recharging
- Powered by four rechargeable “AAA” nickel-metal hydride batteries (included)
- Come complete with AC charger and padded carrying case

AccuPRO™ Series

Digital Radiometer/Photometers



The AccuPRO™ meter features a dual-wavelength UV/visible light sensor, while the AccuPRO™ Plus (shown) features a 3-in-1 sensor that measures UV, visible and blue light.

Specifications

Resolution	4-digit autoranging display 128 x 64 dot pixel chip on glass STN transmissive LCD 2.25 in (5.7cm) diagonal illuminated (backlit)
Read Update	2 Hz
Overall Accuracy	Better than $\pm 5\%$ with reference to NIST standards
Temperature Coefficient	$\pm 0.025\%/^{\circ}\text{C}$ (0 to 50°C)
Power Requirement	Four "AAA" nickel-metal hydride batteries (rechargeable). AC charger included. Available in 120V, 230V, 240V or 100V versions.

Dimensions	
Readout Unit	
• Length	6.0 in (15.2 cm)
• Width	3.0 in (7.6 cm)
• Thickness	1.0 in (2.5 cm)
• Weight	8 oz (227 g)

Sensor Detector	
• Length	3.0 in (7.6 cm)
• Width	2.0 in (5.1 cm)
• Thickness	0.5 in (1.3 cm)
• Weight	5.6 oz (159 g)

Spectral Range	
UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm
Blue Light Sensor	410-475 nm

XP-2000 AccuPRO™ Dual Sensor (UV-A/VIS)

Sensitive to UV and Visible Light

Wavelength/Measurement Range	
UV-A (365 nm) Irradiance	0-100 mW/cm ²
Visible (555 lumens) Illuminance	0-5,382 Lux (0-500 fc)

XP-4000 AccuPRO™ Plus 3-in-1 Sensor (UV-A/VIS/Blue)

Sensitive to UV, Visible and Blue Light

Wavelength/Measurement Range	
UV-A (365 nm) Irradiance	0-100 mW/cm ²
Visible (555 lumens) Illuminance	0-5,382 Lux (0-500 fc)
Blue (450 nm)	0-100 mW/cm ²



Russell Fraser Sales Pty Ltd

Unit 7/38 Waratah St
Kirrawee NSW 2232

Ph: (02) 9545 4433
Fax: (02) 9545 4218

Email: rfs@rfsales.com.au
Web: www.rfsales.com.au

ABN: 79 074 258 549