

# 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

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

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

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

Sensitive to UV and Visible Light

<b>Wavelength/Measurement Range</b>	
UV-A (365 nm) Irradiance	0-100 mW/cm <sup>2</sup>
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

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



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