

TESTED TO COMPLY WITH BOTH



ASTM  
E2297  
Standard

CEN/TR  
16638

SPECTROLINE®  
NDT

# AccuPRO™ SERIES

## Digital Radiometer/Photometers

XP-2000 & XP-4000

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

UV-A  
LIGHT

XP-2000  
XP-4000

VISIBLE  
LIGHT

XP-2000  
XP-4000

BLUE  
LIGHT

XP-4000

### 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 and is compliant with ASTM E2297.

The **AccuPRO™ Plus (XP-4000)** features a single 3-in-1 multi-purpose sensor that measures ultraviolet, visible and blue light.

**LARGE LCD SCREEN**  
4-Digit autoranging display

**THREE-BUTTON INTERFACE**  
Toggle between light measurement modes

**MULTI-WAVELENGTH SENSOR**  
Sealed sensor with water-resistant housing

**PROTECTIVE RUBBER HOUSING**  
Rugged meter for better grip and to help prevent accidental breakage

**MULTILINGUAL** – now includes more languages. User-selectable, multilingual display settings at any operational level. Choose from English, French, German, Chinese and Spanish.



## KEY FEATURES:

- ▶ Accurate readouts for UV-A irradiance as well as visible illuminance
- ▶ 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
- ▶ Multi-wavelength sensor directly attached to meter by 3 ft (0.9 m) cord
- ▶ Convenient on-board recharging
- ▶ Powered by four rechargeable “AAA” nickel-metal hydride batteries (included)
- ▶ Comes complete with AC charger and padded carrying case



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

## Technical Features

<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>	
UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm
Blue Light Sensor	410-475 nm (XP-4000 only)



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

Sensitive to UV and Visible Light

**ASTM E2297  
Compliant**

#### Wavelength/Measurement Range

UV-A (365 nm) Irradiance 0-100 mW/cm<sup>2</sup>  
Visible (555 nm) Illuminance 0-5,382 Lux (0-500 fc)

### XP-4000 AccuPRO™ Plus

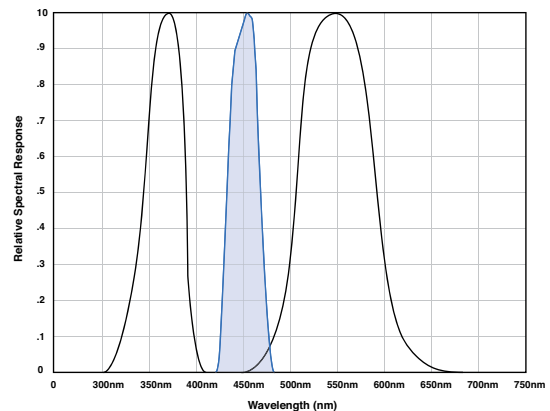
#### 3-in-1 Sensor (UV-A/VIS/Blue)

Sensitive to UV, Visible and Blue Light

**Conforms to  
CEN/TR 16638**

#### Wavelength/Measurement Range

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



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