

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!



XP-2000
XP-4000



XP-2000
XP-4000



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.



MULTI-WAVELENGTH SENSOR
Sealed sensor with water-resistant housing

LARGE LCD SCREEN
4-Digit autoranging display

THREE-BUTTON INTERFACE
Toggle between light measurement modes

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.



Your Complete Source for
Testing Equipment Since 1969!

www.BergEng.com
Berg Engineering & Sales Company, Inc.

1-847-577-3980
Info@BergEng.com

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

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-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/cm²
Visible (555 nm) Illuminance 0-5,382 Lux (0-500 fc)

XP-4000 AccuPRO™ Plus

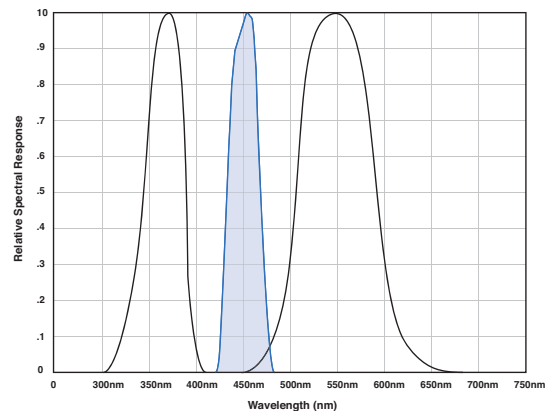
3-in-1 Sensor (UV-A/VIS/Blue)

Sensitive to UV, Visible and Blue Light

Conforms to
CEN/TR 16638

Wavelength/Measurement Range

UV-A (365 nm) Irradiance 0-100 mW/cm²
Visible (555 nm) Illuminance 0-5,382 Lux (0-500 fc)
Blue (450 nm) 0-100 mW/cm²



SPECTRONICS
CORPORATION

www.spectroline.com

956 Brush Hollow Rd, Westbury, NY 11590 USA

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