

# 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 2297.

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



**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

#### 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)

ASTM 2297  
Compliant

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

Conforms to  
CEN/TR 16638

