

CEN/TR 16638



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.



AccuPRO™ SERIES XP-2000 & XP-4000

KEY FEATURES:

- Accurate readouts for UV-A irradiance as well as visible illuminance
- Overall accuracy greater than ± 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

Better than +5% with reference to NIST Overall Accuracy

standards

Temperature Coefficient

Power Requirement

 \pm 0.025%/°C (0 to 50°C) 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

Lenath 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)

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

Sensitive to UV and Visible Light

Wavelength/Measurement Range

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

ASTM 2297

Compliant

Conforms to

CEN/TR 16638

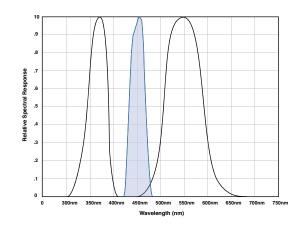
XP-4000 AccuPRO™ Plus 3-in-1 Sensor (UV-A/VIS/Blue)

Sensitive to UV, Visible and Blue Light

Wavelength/Measurement Range UV-A (365 nm) Irradiance

Visible (555 nm) Illuminance Blue (450 nm)

0-100 mW/cm² 0-5,382 Lux (0-500 fc) 0-100 mW/cm²





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