

# XRP-3000 AccuMAX™

## Digital Radiometer/Photometer

Features an advanced microprocessor-controlled readout unit with a dual-wavelength sensor detector to measure *both* ultraviolet and visible light.

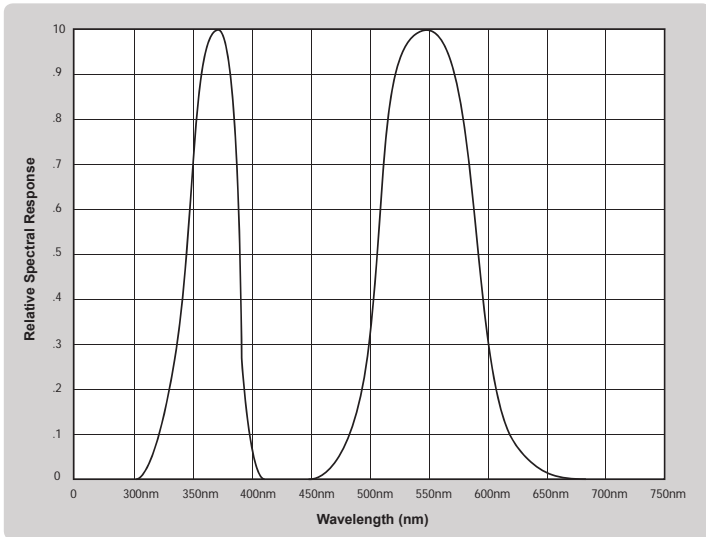
- Large, easy-to-read LCD screen
- Provides readouts for UV-A, visible irradiance or radiance
- Overall accuracy greater than  $\pm 5\%$  per NIST standards
- Choice of direct or USB cable connection between sensor detector and readout unit
- Superior bandpass interference filter
- Automatic zeroing, integration and signal hold
- Excellent cosine response
- User-selectable, multilingual display settings. Choose from English, French, German and Spanish.
- User-defined power save and automatic shutoff
- Rugged meter housing features removable, protective rubber boot for better grip and to help prevent accidental breakage
- Sealed sensor housing and USB connection with water-resistant adapter
- Compact, lightweight and battery-operated for convenient use in the factory, field or anywhere measurements are needed
- Complies with ASTM specifications for LPT and MPT
- Comes complete with readout unit, dual-wavelength sensor detector, USB cable with water-resistant adapter, protective rubber boot, two 9V alkaline batteries and padded carrying case.



XR-1000 readout unit with dual-wavelength sensor detector connected directly to unit



XR-1000 readout unit with dual-wavelength sensor detector connected to unit via USB cable



## SPECIFICATIONS

### Readout Unit (XR-1000)

<b>Resolution</b>	4-digit autoranging display
<b>Screen</b>	128 x 64 dot pixel chip on glass STN transmissive monochrome LCD 2.8 in (7.1 cm) diagonal illuminated (backlit)
<b>Sample Rate</b>	7.5 Hz (single sensor) 15 Hz (dual sensor)
<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 Requirements</b>	Two 9V alkaline batteries (included)
<b>Dimensions</b>	
<b>Length</b>	7.75 in (19.7 cm)
<b>Width</b>	4.25 in (10.8 cm)
<b>Thickness</b>	1.25 in (3.2 cm)
<b>Weight</b>	0.8 lb (360 g)



### Dual UV-A/Visible Sensor Detector (XDS-1000)

<b>Irradiance Range</b>	
<b>UV-A Sensor</b>	0-100 mW/cm <sup>2</sup> (0-100,000 μW/cm <sup>2</sup> )
<b>Visible Sensor</b>	0-5,300 lux (0-500 fc)
<b>Spectral Range</b>	
<b>UV-A Sensor</b>	320-400 nm
<b>Visible Sensor</b>	460-675 nm
<b>Dimensions</b>	
<b>Length</b>	4.75 in (12.1 cm)
<b>Width</b>	2.0 in (5.1 cm)
<b>Thickness</b>	7/8 in (2.2 cm)
<b>Weight</b>	0.22 lb (100 g)
<b>USB Cable (Length)</b>	5 ft (1.5 m)