DIGITAL RADIOMETERS

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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
- Automatic zeroing, integration and signal hold
- Excellent cosine response
- 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 MPI and FPI
- 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.

SPECIFICATIONS

Readout Unit (XR-1000)

Resolution	4-digit autoranging display
Screen	128 x 64 dot pixel chip on glass
	STN transmissive monochrome LCD 2.8 in
	(7.1 cm) diagonal illuminated (backlit)
Sample Rate	7.5 Hz (single sensor)
	15 Hz (dual sensor)
Read Update	2 Hz
Overall Accuracy	Better than $\pm$ 5% with reference to NIST standards
Temperature Coefficient	$\pm$ 0.025%/°C (0 to 50°C)
Power Requirements	Two 9V alkaline batteries (included)
Length	7.75 in (19.7 cm)
Width	4.25 in (10.8 cm)
Thickness	1.25 in (3.2 cm)
Weight	0.8 lb (360 g)

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

Irradiance Range

UV-A Sensor	0-100 mW/cm^2 (0-100,000 µW/cm^2)
Visible Sensor	0-5,300 lux (0-500 fc)

Spectral Range

UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm

Dimensions

Length	4.75 in (12.1 cm)
Width	2.0 in (5.1 cm)
Thickness	7/8 in (2.2 cm)
Weight	0.22 lb (100 g)
USB Cable Length	5 ft (1.5 m)

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