**SPECTROLINE®**
N D T

# AccuMAX™

## Advanced Digital Radiometer/Photometer Kit

## XRP-3000

### The MOST Advanced, Microprocessor-Controlled Readout System

The **AccuMax™ XRP-3000** is compact, lightweight and battery-operated for convenient use in the factory, field or any other location where measurements need to be taken. Measures both ultraviolet and visible light. Complies with ASTM specifications for MPI and FPI. Specially engineered for NDT applications.

**UV-A LIGHT**

**VISIBLE LIGHT**

**LARGE LCD SCREEN**
4-digit autoranging display

**DUAL-WAVELENGTH SENSOR**
sealed with water-resistant housing

UV-A

VIS

17 uW/cm²
334.8 fc
HOLD | ZERO | INTG | MENU

ON/OFF

AccuMAX™

**PROTECTIVE RUBBER HOUSING**
rugged meter for better grip and to help prevent accidental breakage

### KEY FEATURES:

▶ Microprocessor-controlled readout unit with dual-wavelength sensor detector
▶ Superior bandpass interference filter
▶ Choice of direct or USB connection between sensor detector and readout unit
▶ Excellent cosine response
▶ Sealed sensor housing and USB connection with water-resistant adapter

**MULTILINGUAL** – now includes more languages. User-selectable, multilingual display settings at any operational level. Choose from English, French, German and Spanish.

## AccuMAX™ XS-555/L Luminance Sensor Detector

The perfect accessory for the AccuMAX Series meter. Ideal for technicians performing radiographic examinations. Meets ASTM E1742 standard.

The AccuMAX XS-555/L luminance sensor detector measures the brightness of a visible light source and, unlike many competitive units, allows the user the choice of displaying the results in three distinct units of measure: candelas per square meter (cd/m$^2$), candelas per square foot (cd/ft$^2$) and footlamberts (fL).

## Specifications

**Dimensions**

| | |
|---|---|
| Height | 3.2 in (8.1 cm) |
| Length | 3.0 in (7.6 cm) |
| Width | 2.1 in (5.3 cm) |
| Weight | 6.4 oz (181 g) |

**Luminance Range**

0 - 1,000,000 cd/m$^2$

0 - 90,000 cd/ft$^2$

0 - 285,000 fL

## Technical Features

### Readout Unit (XR-1000)

| | |
|---|---|
| **Resolution** | 4-digit autoranging display 128 x 64 dot pixel chip on glass transmissive monochrome LCD—2.8 in (7.1 cm) diagonal illuminated (backlit) |
| **Sampling Rate** | 7.5 Hz (single sensor) 15 Hz (dual sensor) |
| **Read Update** | 2 Hz |
| **Overall Accuracy** | Better than ±5% with reference to NIST standards |
| **Temperature Coefficient** | ± 0.025%/°C (0 to 50°C) |

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

**Irradiance Range**
- **UV-A Sensor**      0–100 mW/cm$^2$
- **Visible Sensor**      0–5,300 lux  (0-500 fc)

**Power Requirements**

**Battery Operation**      Two non-rechargeable 9V alkaline battery cells are included as standard

**Dimensions**

**Readout Unit**

| | |
|---|---|
| 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) |

**Sensor Detector**

| | |
|---|---|
| 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** | 5 ft (1.5 m) |

### XRP-3000 Kit Includes:

| | |
|---|---|
| Water-resistant USB cable with adapter | XCB-100 |
| Rubber boot | XRB-100 |
| Carrying case | XCC-100 |



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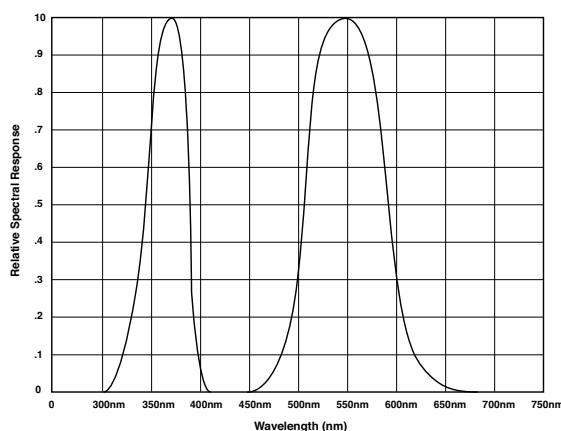
## SPECTRO-UV

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