

# SPECTROLINE®



**AccuMAX™**

**Advanced Digital Radiometer/Photometer**

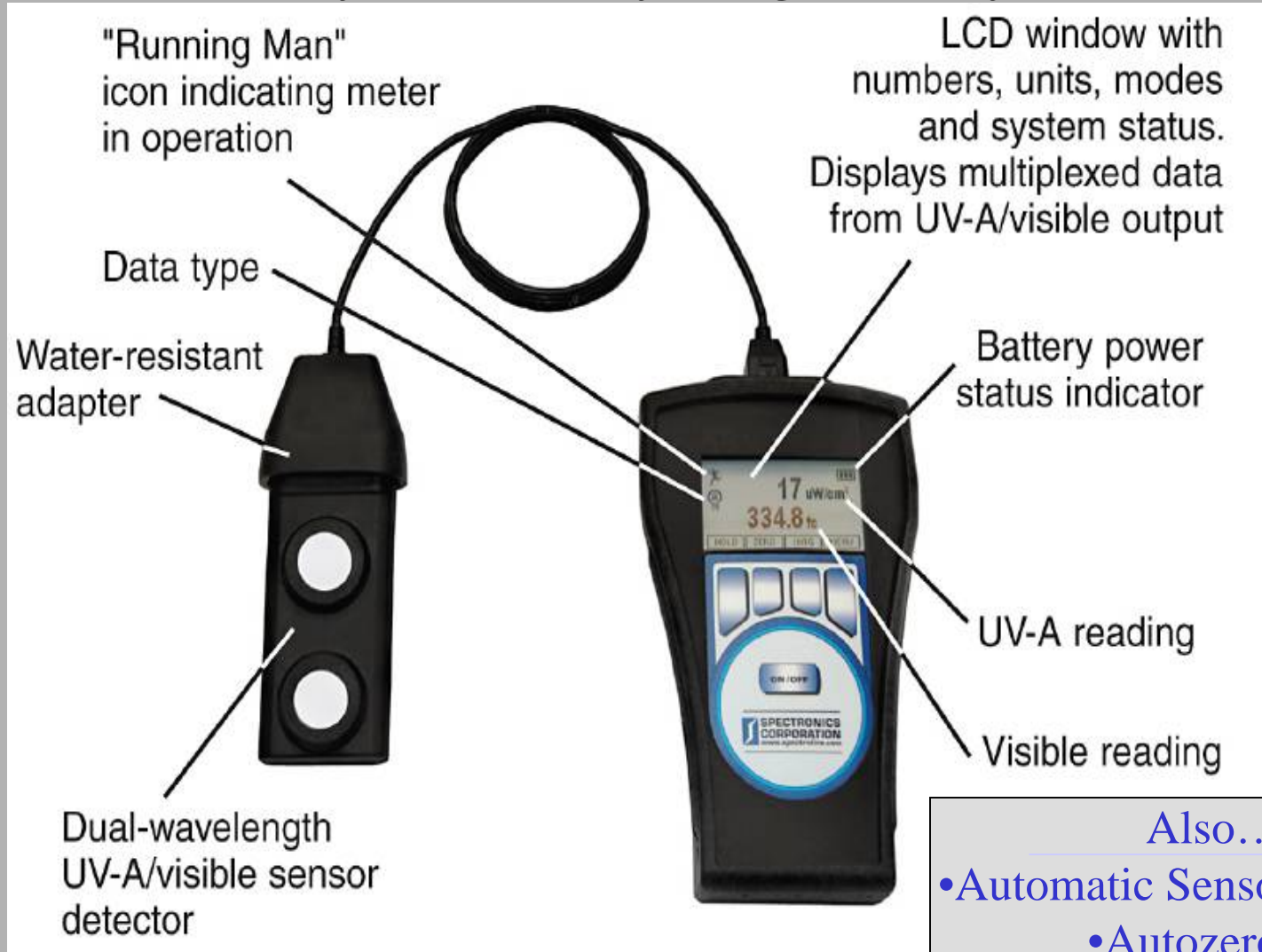
The AccuMax series meters feature an advanced microprocessor-controlled, multi-wavelength capable readout unit with software-driven functions, user-customized settings and a wide selection of interchangeable sensors.

The AccuMAX radiometer is outfitted with high-quality interference filters with well-defined transmission bands to resist degradation and eliminate light sensitivity to infrared and other undesirable radiation.

# AccuMAX™ Series

- Advanced microprocessor-controlled meter with interchangeable sensor detectors. Both dual and single UV/VIS sensors available.
- Software-driven functions; user-interface customized settings and three main operation modes
- Choice of direct or USB cable connection between readout unit and sensor detector

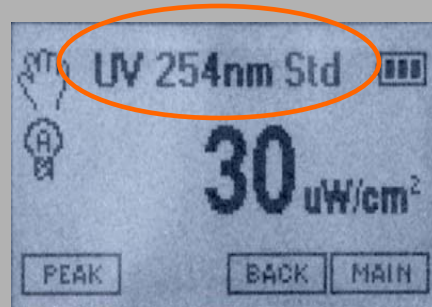
# We can show you what you get for your money...



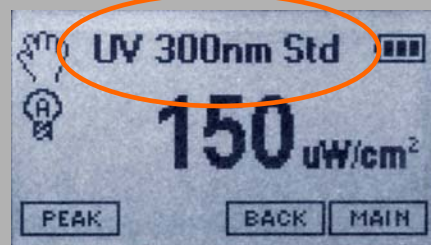
## Also...

- Automatic Sensor Detection
- Autozeroing
- Screen Hold
- Integration

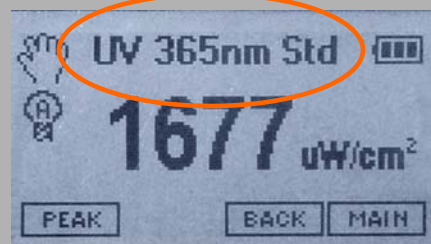
# Automatic Sensor Detection Mode



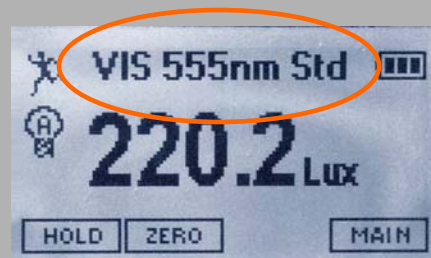
UVC Sensor



UVB Sensor

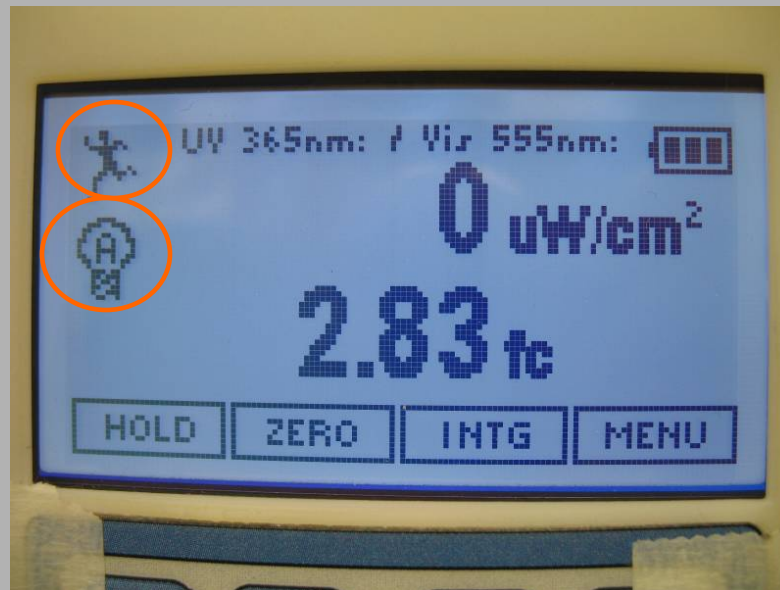


UVA Sensor



Visible Light Sensor in lux  
or foot-candles

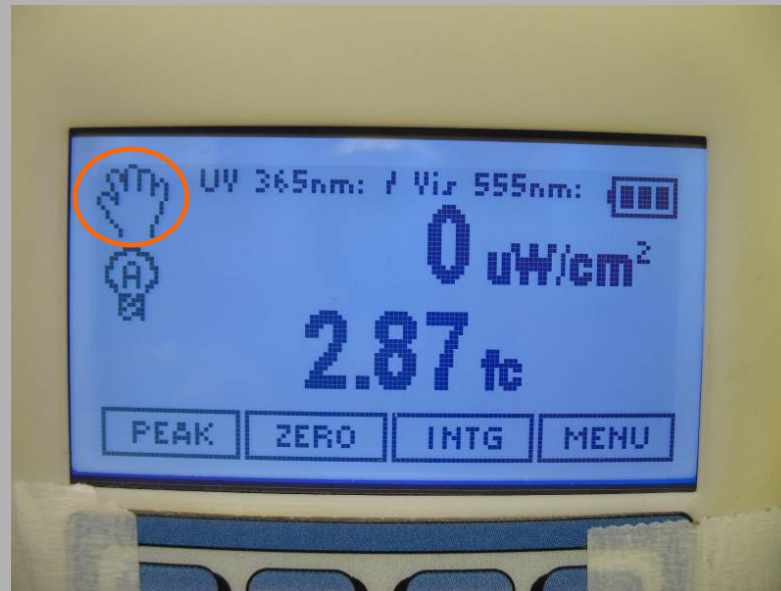
# Absolute Data/Normal Mode



The “A” light bulb icon indicates the readings are ABSOLUTE.

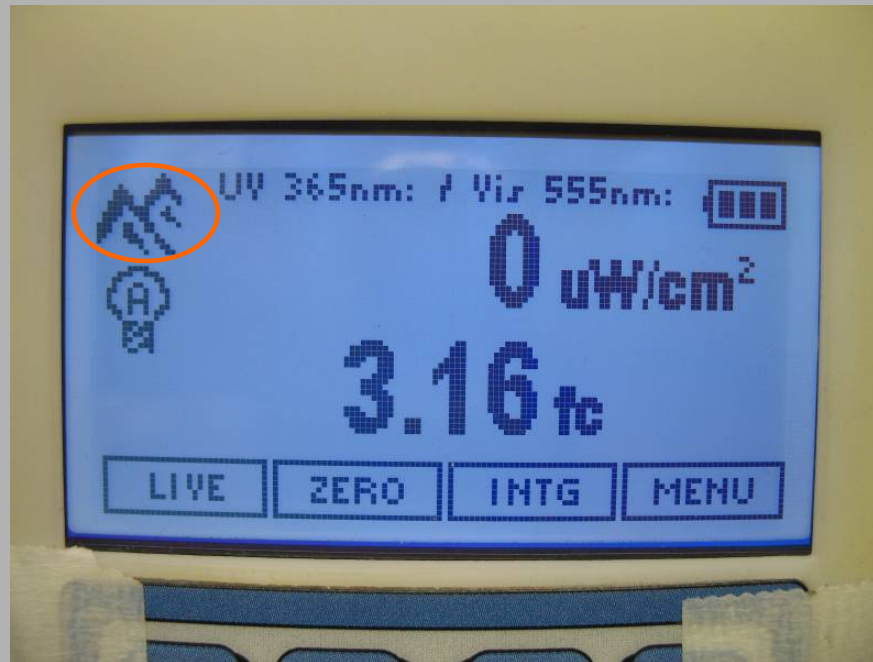
The running man icon indicates that the meter is operating in real time.

# Hold Mode



“Hold” freezes the display obtained

# Peak Function



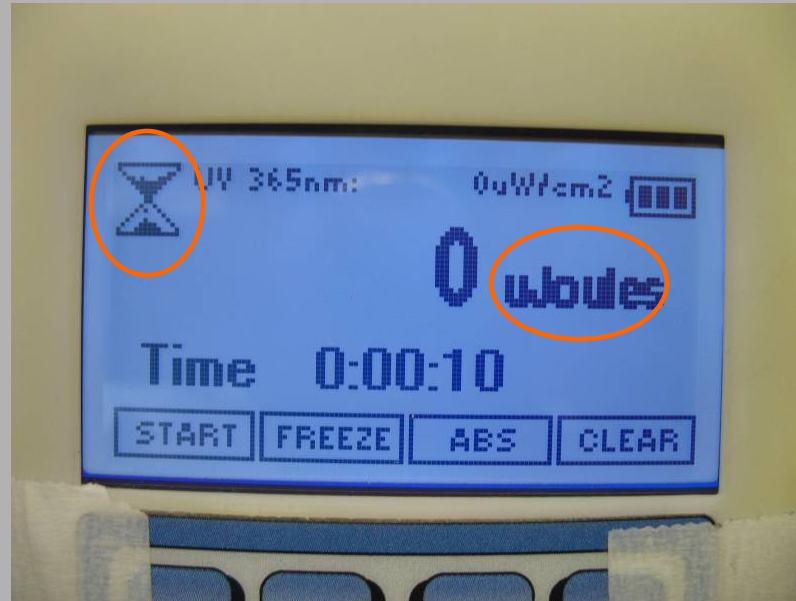
While in HOLD, press PEAK to display the highest reading recorded during the ZERO mode.

# Zero Mode



The user need only press the “Zero” button. This activates autozeroing, sets the value to 0 and displays relative readings of subsequent measurements

# Integration (INTG) Mode



In Integration mode, the meter sums up the cumulative UV light that the sensor is exposed to over an interval of time, and displays the results in total energy in joules

## Technical Specifications

- Resolution - 4-digit autoranging display
- Screen - 128 x 64 pixels on backlit glass LCD (7.1cm)
- Sampling rate - 7.5 Hz (Single Sensor)  
5 Hz (Dual Sensor)
- Overall Accuracy - Better than  $\pm 5\%$  with reference to NIST standard
- Temperature Coefficient -  $\pm 0.25\% ^\circ\text{C}$  (0 to  $50^\circ\text{C}$ )
- Power requirements - Two non-rechargeable 9V alkaline battery cells are included with readout unit

# ACCUMAX XRP 3000

## COMPETITIVE ANALYSIS

Standard Features	AccuMAX Model XRP 3000	Meter A	Meter B	Meter C
<b>Display</b>	Illuminated (adjustable backlight) 71mm 4-digit LCD autoranging with battery power status indicator and multiplexed data from UV-A/visible output	13mm constant fluorescing, with low battery indicator	Illuminated (backlit) 3 ½ Digit LCD autoranging screen with low battery indicator	13mm 3 ½ digits LCD low-high range with low battery indicator
<b>Wavelength</b>	UV: 320nm – 400nm VIS: 400nm – 700nm	UV: 320-400nm VIS: 380-700nm	UV: 320 – 400nm VIS: 400 – 700nm	UV: 320nm - 390nm VIS: 400nm - 730nm
<b>Irradiance Range</b>	UV-A: 0-100mW/cm <sup>2</sup> Visible: 0-5,300 lux (0-500fc)	UVA: 0-19.9 mW/cm <sup>2</sup> Visible: 0-1999 lux (FC version sold separately)	UV-A: 0-19.99 mW/cm <sup>2</sup> Visible: 0-19.99 lux 20-199.9 lux 200-1999 lux (FC version sold separately)	Lo-range: UV-A: 0-1.9mW/cm <sup>2</sup> Hi-range: UV-A : 0-19.9mW/cm <sup>2</sup> VIS: 200, 2000, 20000Lux 20, 200, 2000fc
<b>Filter Type</b>	Interference	Color Glass	Color Glass	Color Glass
<b>Overall Accuracy</b>	Better than ±5% with reference to NIST	±5% with reference to NIST	±10%	±4%FS + 2dgt
<b>Battery Operation</b>	Two non-rechargeable 9V alkaline batteries, included.	One non-rechargeable 9V battery, included	One non-rechargeable 9V battery, included	One non-rechargeable 9V battery, included
<b>Typical Battery Life</b>	12 hours	150-200 hours	20-40 hours	20-40 hours
<b>Weight</b>	460g (1.08lbs)	454 g (1lb)	349g (.76lbs)	220g
<b>Suggested List Price</b>	US\$ 1,190.00	US \$765.00	US \$1090.00	US \$1,112.00 <sup>1</sup>
<b>Advanced Features</b>				
<b>Auto-zeroing</b>	X	X		
<b>Dual UVA./VIS sensor</b>	X		X	
<b>Liquid/water resistant, sealed sensor housing</b>	X			
<b>“Hold” function to freeze display</b>	X			
<b>Integration mode</b>	X			
<b>Direct or USB connection</b>	X			
<b>Automatic shutoff</b>	X			
<b>Rubber Protective Boot</b>	X			
<b>User-selectable parameter setup</b>	X			

<sup>1</sup> Combined cost with readout unit and UV and VIS sensors.

*Also available:*



## *XS-555L Luminance Sensor*

For technicians performing radiographic examinations, the XS-555/L luminance sensor detector is available as an accessory to provide film viewer output measurements in  $\text{cd/m}^2$ ,  $\text{cd/ft}^2$  or fL.



*Spectronics has maintained a commitment to excellent service and premium quality products for over 50 years...quality you can count on. Never settle for less.*

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Radiometer/Photometer Series**