

***Now, Just One  
Intensity Reading  
Will Do!***



## **DM-365XA UV Radiometer**

- Provides *unmatched* overall accuracy of better than  $\pm 5\%$ , traceable to NIST
- Ideal for NDT and QC inspections
- Complies with both MIL and ASTM standards
- Easy-to-read LED display
- Water/liquid-resistant

Discard those pocket calculators, conversion charts and tables. The DM-365XA is the *only* instrument you'll need to perform your daily black light lamp calibrations. Analog meters are history! *True* digital UV readings come from Spectro-UV!

**Unmatched accuracy** — Meter calibration by pyroelectric method provides superior linearity and controlled spectral response. Auto-zeroing feature and reliable electronic/electro-optic circuitry provide excellent signal-to-noise ratio. High-quality interference filter ensures closely controlled spectral coverage (320 to 400nm) and eliminates sensitivity to infrared.

**Longer sensor life** — Rugged, silicon photodiode is sealed and fixed in a metal/quartz package to protect against adverse effects of shock and humidity, eliminating the possibility of photodiode fracture. As a result, the sensor lasts longer.

**Truer readings** — Upgraded sensor components, sealed silicon photodiode and new calibration light source, among other improvements, provide error-free readings and more repeatable results. True values can be obtained with just one reading — *without* requiring a second reading to compensate for infrared sensitivity.

**Maximum durability** — The DM-365XA radiometer's solid-state circuitry is housed within a durable polycarbonate housing to protect against shock damage.

*Other features include:*

- Liquid-resistant sensor housing prevents moisture contamination
- Calibration upgrade — 365nm calibration light source utilizes an improved cooling system and a more collimated light profile



**Avoid a "balancing act."**

Use the Spectroline Model VF-100 Spec-Stik™ MIL-STD verification fixture to calibrate your lamps at *exactly* 15 inches (38.1cm)!

## Technical Data

### Readout Unit Specifications

Display . . . . .	4½ digit LED
Conversion Rate . . . . .	3 readings per second nominal
Resolution . . . . .	1 part in 1,999
Temperature Coefficient . . . . .	±(0.025% of reading +0.1 digit)/°C (0 to 50°C)
Case Dimensions . . . . .	7¼L x 3½W x 2"H (18.4L x 8.9W x 5.1cmH)
Total Net Weight . . . . .	1 lb. (0.45 kg)

### Sensor Head Specifications

Overall Accuracy . . . . .	Better than ±5% with reference to NIST standards
Spectral Range . . . . .	320-400 nanometers (nm)
Measuring Range . . . . .	0-19,990 µW/cm²
Resolution . . . . .	10 µW/cm²
Filter . . . . .	High quality, vacuum-deposited, interference type
Angular Response . . . . .	Cosine
Temperature Coefficient . . . . .	±0.20%/°C (0 to 50°C)
<b>Power Requirements:</b>	
4 non-rechargeable "AA" size alkaline battery cells are included as standard	
4 rechargeable "AA" size nicad battery cells and a recharger are available as an option	
<b>Reference Conditions:</b>	
Temperature . . . . .	23°C ±1°C
Relative Humidity . . . . .	30 to 60%
Atmospheric Pressure . . . . .	575 to 800mm Hg to 7,500 ft. (2,286m) altitude
Sensor Head Dimensions: . . . . .	3L x 2W x 0.7"H (7.6L x 5.1W x 1.8cmH)
Sensor Cord Length . . . . .	3 ft. (0.9m)

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