

**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 Spectronics Corporation, the company that *invented* the digital UV radiometer! The DM-365XA is truly a meter for the 21st Century!

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) |
| Power Requirements: | |
| 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 | |
| Reference Conditions: | |
| 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) |

DISTRIBUTED BY:



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