

# UV Intensity Meters

The measurement of the UV irradiance is the most effective way to monitor the useful life of any UV light source. Analytik Jena meters ensure maximum operating efficiency of any UV system.

## UVX Digital Radiometers

The UVX Radiometer is used with one of the three sensors (ordered separately) for measuring shortwave (254 nm), longwave (365 nm) and midrange (302 nm) UV.

- Choose from three sensors: UVX-25 shortwave, UVX-31 midrange or UVX-36 longwave
- The UVX range switch provides selection from three intensity ranges: 0 to 20  $\mu\text{W}/\text{cm}^2$  / 0 to 2000  $\mu\text{W}/\text{cm}^2$  / 0 to 200  $\mu\text{W}/\text{cm}^2$
- The attenuator extends the reading range up to 200  $\mu\text{W}/\text{cm}^2$
- 9-volt battery for up to 120 hours of use
- A port enables connection to a chart recorder for continuous monitoring



## J-Series Analog UV Meters

**J-Series Meters** are photovoltaic devices for accurate and repeatable readings of shortwave and longwave UV sources. The durable plastic housing withstands heavy, sustained use.

**J-221 Meter** measures the intensity of 365 nm longwave UV. The sensor range is within 300 - 400 nm UV with a peak sensitivity at 365 nm. Intensity readings are 0-1200  $\mu\text{W}/\text{cm}^2$  (A Scale) and 1000 - 6000  $\mu\text{W}/\text{cm}^2$  (B Scale). J-221 Meter complies with MIL STD 45662-A.

**J-225 Meter** measures the intensity of 254 nm shortwave UV. The sensor range is within 220 - 280 nm UV with peak sensitivity at 254 nm. Intensity readings at 0 - 2400  $\mu\text{W}/\text{cm}^2$  (A scale) and 2000 - 12000  $\mu\text{W}/\text{cm}^2$  (B Scale).



J-Series meters measure UV sources

| Order Number | Description   |
|--------------|---|
|              | <b>UVX Radiometers, J-Series Meters and Accessories</b>                   |
| 97-0015-02   | UVX Radiometer, 6.2L x 2H x 3.6W in. (157 x 51 x 91 mm), 1 lb.            |
| 98-0035-01   | Attenuator, 10:1  |
| 45-0012-01   | 9V Battery  |
| 97-0016-01   | UVX-25 Sensor, Calibration Point: 254 nm, Bandpass: 250 - 290 nm          |
| 97-0016-04   | UVX-31 Sensor, Calibration Point: 310 nm, Bandpass: 280 - 340 nm          |
| 97-0016-02   | UVX-36 Sensor, Calibration Point: 365 nm, Bandpass: 335 - 380 nm          |
| 97-0003-01   | J-221 Longwave Meter 365 nm UV; 3H x 3D x 3W in. (76 x 76 x 76 mm), 9 oz  |
| 97-0004-01   | J-225 Shortwave Meter 254 nm UV; 3H x 3D x 3W in. (76 x 76 x 76 mm), 9 oz |