

UV Intensity Meters

The measurement of the UV irradiance is the most effective way to monitor the useful life of any UV light source. UVP 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 (254nm), longwave (365nm) and midrange (302nm) UV wavelengths.

- 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 mW/cm²
 - 0 to 2000 μ W/cm²
 - 0 to 200 μ W/cm²
- The attenuator extends the reading range up to 200mW/cm²
- 9-volt battery for up to 120 hours
- A port enables connection to a chart recorder for continuous monitoring

Recalibration of meters and sensors is recommended every six months.

Sensor Cable Length: 3 feet (0.9 m)
 Weight: 9.4 oz (0.3 kg)
 Display: 3.5 digit LCD
 Operating Environment: Temperature: 0 to 50°C
 Humidity: 5% to 90% Relative Humidity

UVX Dimensions: 6.2L x 2H x 3.6W in. (157 x 51 x 91 mm)

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 365nm longwave UV. The sensor is sensitive within a range of 300-400nm with a peak sensitivity at 365nm. Intensity readings are 0-1200 μ W/cm² (A Scale) and 1000-6000 μ W/cm² (B Scale). J-221 Meter complies with MIL STD 45662-A.

J-225 Meter measures the intensity of 254nm shortwave UV. The sensor is sensitive within a range of 220-280nm with peak sensitivity at 254nm. Intensity readings at 0-2400 μ W/cm² (A scale) and 2000-12000 μ W/cm² (B Scale).

- Self-powered for maximum portability
- Two scales for low and high intensity readings
- A three foot (0.9m) cord connects the sensor to the meter for remote readings
- Infrared filter assures accurate readings when measuring light sources producing infrared radiation
- The 5X attenuation screen can be used for very high intensity lamp measurements
- All meters and sensors are calibrated to meet UVP's published standards and NIST



UVX Radiometer Select from three UV sensors for measuring UV intensity.

Ordering Information

UVX Radiometer 97-0015-02

Attenuator, 10:1 98-0035-01

9V Battery 45-0012-01

UVX-25 Sensor 97-0016-01
 Calibration Point: 254nm
 Bandpass: 250-290nm

UVX-31 Sensor 97-0016-04
 Calibration Point: 310nm
 Bandpass: 280-340nm

UVX-36 Sensor 97-0016-02
 Calibration Point: 365nm
 Bandpass: 335-380nm



J-221 and J-225 Meters measure UV sources

Ordering Information

J-221 Longwave Meter 365nm UV 97-0003-01

J-225 Shortwave Meter 254nm UV 97-0004-01

Dimensions:

3H x 3D x 3W in. (76 x 76 x 76 mm)

Weight: 9 oz (0.25 kg)