Blak-Ray® UV intensity meters

Blak-Ray UV analog meters are light energy measuring devices designed to provide accurate, repeatable intensity readings of UV light sources. Two scales and a 5X attenuator offer an extended measurement range. Durable and easy to operate, Blak-Ray meters are completely self-powered for maximum portability and convenience.

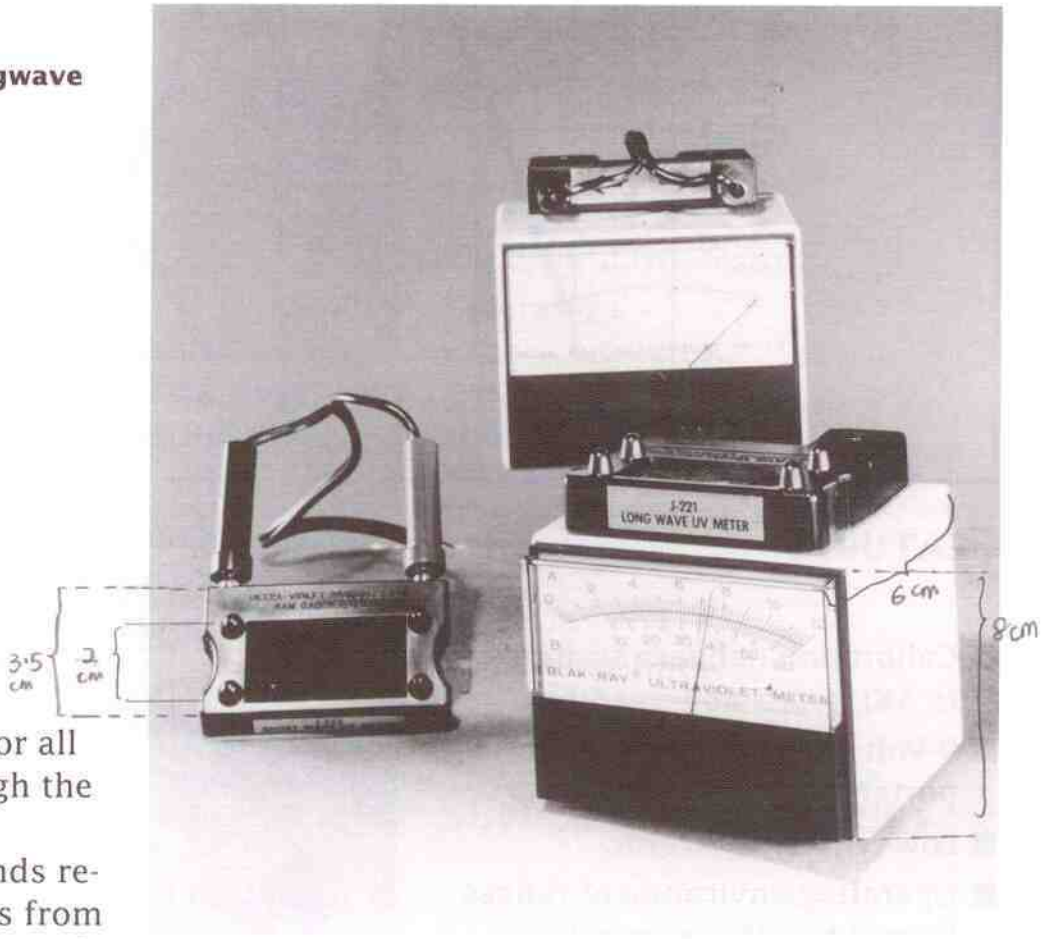
Applications

measuring shortwave and longwave UV radiation in:

Nondestructive testing
Laboratory
Food industry
Pharmaceutical industry
Quality control
Sterilization processes
Aerospace
Military

Recalibration

Recalibration is offered for all UVP intensity meters through the UVP Calibration/Service Department. UVP recommends recalibration every six months from the date of first use, and more often for heavy use.



Blak-Ray UV intensity meters are reliable and easy to operate. Shown is the J-225, top, and the J-221.

Specifications

Model	Part #	Calibration Point	Wavelength Measurement Band
J-221 UV Intensity Meter	97-0003-01	365 nm	300-400 nm
J-225 UV Intensity Meter	97-0004-01	254 nm	220-280 nm

INTENSITY METERS

FEATURES

- The certificate of calibration accompanying each meter shows compliance with NIST traceability requirements and UVP published standards.
- Accuracy of ±10%.
- Custom cases protect meters during transport and storage.
- Durable plastic housing withstands heavy, sustained use.
- Three-foot extension cord with plug-in sensors makes remote readings easy.
- Infrared filter assures accurate measurement.
- Two scales measure a wide range of intensities.
- 5X attenuation screen allows measurement of very high intensity UV.
- Each meter is individually serialized for traceability of calibration records.

J-221 Highlights

- Reads longwave intensities from 0 to 1200μW/cm² on the A scale, and from 1000 to 6000μW/cm² on the B scale.
- Measures the intensity of longwave UV light sources from 300 to 400 nm, with peak sensitivity at 365 nm.
- Complies with MIL-STD 45662A and is specified for many government applications.

J-225 Highlights

- Reads shortwave intensities from 0 to 2400μW/cm² on the A scale, and from 1000 to 12000μW/cm² on the B scale.
- Measures the intensity of shortwave UV light sources from 220 to 290 nm, with peak sensitivity at 254 nm.

Blak-Ray Meter Sensitivity Curve