Zenith™
ULTRAVIOLET METER

The *Zenith*™ **ultraviolet meter** is a sensitive, hand-held, ultraviolet meter; used to check the intensity of aging ultraviolet lamps and survey rooms utilizing air sanitizers to ensure that the ultraviolet radiant exposure of personnel within the treated area is within acceptable limits.

The *Zenith*™ **ultraviolet meter** provides accurate and easy-to-read levels of intensity. A narrow ultraviolet bandpass filter in combination with the photodiode detector makes the *Zenith*™ insensitive to ambient lighting within the area being surveyed. The *Zenith*™ monitor is powered by a single 9-volt alkaline battery and an internal battery-saver will automatically shut off the meter after 30 minutes of inactivity.

The two models of the *Zenith*™ **ultraviolet meter** are the 30-0081 and 30-0083. The 30-0081 is preferable when the main requirement is for safety measurements of low-level radiation (below 1 microwatt). If the 30-0083 has to be used for low-level measurement, the operator should ensure that the meter is not reading some of the longer wavelength ultraviolet light radiated by fluorescent lamps in the measurement area. Switch off any fluorescent lamps that may interfere with the required measurements.

Wavelength:	30-0081 (Germicidal) 254 nm with + 10 nm bandwidth
	30-0083 240 nm (185-320 nm)
Bandwidth:	Approx. 20 nanometers (30-0081), 135nm (30-0083)
Display:	3-1/2 Digit LCD
Digit Size:	0.5 inch, (12.7 mm)
Indication Over Range:	A steady (1)
Conversion Rate:	2.5 per second
Sensor:	Built-in Vacuum Photodiode
Sensitivity:	0-19.99 microwatts per square centimeter (**µW/cm2**)
	0-1.999 milliwatts per square centimeter (**mW/cm2**)
Switches:	ON/OFF: momentary rocker.
	Range: 2-position rocker **µW/cm2** and **mW/cm2**
Power Source:	9-Volt replaceable alkaline battery, EN22 or similar
Battery Life:	Greater than 200 hours of operation
Automatic Shut Off:	After 30 minutes inactivity
Low Battery Indication:	A steady or flashing (-1.)
Operating Temperature:	0-115° F, (0-46° C)
Operating Humidity:	5% to 90%
Size:	5.5" long x 3.6" wide x 1.13" high
Housing:	High impact plastic, with stainless steel faceplate
Weight:	8.5 ounces, including battery

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