

Zenith™

ULTRAVIOLET METER

NEW FOR 2004! 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 band pass filter in combination with the photodiode detector makes the **Zenith™** insensitive to ambient lighting within the area being surveyed. **Zenith™** monitor is powered by a single 9-volt DC 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), 135Mn (30-0083)
Display: 3-1/2 Digit LCD
Digit Size: 0.5 inch, (12.7 mm.) figure height
Over Range: Display 1.
Conversion Rate: 2.5 per second
Sensor: Built-in Vacuum Photodiode
Sensitivity: (Two ranges)
0 - 19.99 microwatts per square centimeter
0 - 1.999 milliwatts per square centimeter
Switches: On/Off momentary rocker.
Range, 2-position rocker-μW/cm² and mW/cm²

Power Source: 9-Volt DC by Replaceable Alkaline Battery
Battery Type: Alkaline 9v, EN-22 or similar
Battery Life: More than 200 hours of operation
Battery-Saver: Meter automatically switches off after 30 min if not renewed by pushing the 'ON' button
Low Battery Indication: A steady or flashing display(-1.) Display shows when the battery needs to be replaced.
Operating Temperature: 0-46 degrees C, 0 - 115 degrees F
Operating Humidity: 5% to 90%
Size: 5-3/8 long x 3-1/2 wide x 1-1/4" high
Housing: High impact plastic, with stainless steel faceplate
Weight: 8.5 ounces, including battery