



ecosensors.com kwjengineering.com
 Toll Free: (800) 472-6626
 sales@kwjengineering.com

POCKET OZONE

For Indoor Detection/Dosimetry of Ozone in Air Models PO3, PO3 PLUS and PO3 PRO



Size:	2.66 x.1.40 x 0.61 inches (67.6 x 35.6mm x15.5 mm)
Weight:	< 1 ounce (28 grams)
Range:	0.00 - 2.00 ppm
Operating temp:	45-95 F, 7-35 C
Humidity limits:	15-85% RH, non-condensing
Accuracy:	<p>Pocket Ozone is most accurate when used in similar conditions to calibration (room temperature, 50% RH). Pocket Ozone is not designed for high accuracy measurement, particularly at low-levels (less than 0.3 ppm).</p> <p>Pocket Ozone's response time may be slower if the instrument has not been exposed to ozone for some time. Routine conditioning with ozone from an ozone generator will improve responsiveness, particularly at low-levels, and is recommended.</p>
Alarms: Buzzer (82 dB @ 24"), LED, Backlight, Vibrator	<p>Alarms once per minute when reading ≥ 0.30 ppm</p> <p>Alarms every 30 seconds when reading ≥ 0.60 ppm</p> <p>Temperature above 35°C / 95°F: "HOT" displayed</p> <p>Temperature below 7°C / 45°F: "COLD" displayed</p> <p>Low battery warning: "BATT" displayed, buzzer sounds briefly.</p>
Sampling method:	Gaseous diffusion.
Environmental Use:	Indoor use only, in areas free of interfering gases.
Interferences*:	Chlorine, Nitrogen Dioxide (NOx), Hydrogen, Carbon Monoxide. Rapid humidity changes in vicinity of sensor exposure hole.
Period of Operation:	"9-Hour" (single push)
Display:	Digital LCD in increments of 0.01 ppm.
Backlight	Available on demand.
User interface:	Single button operation.
Dosimetry (PLUS and PRO models only)	Calculates and records: "MAX" maximum exposure (ppm), "TIME" time of max. exposure (minutes since turned on), "TE" total exposure in ppm-hours, 8-hour "TWA" time weighted average.
Data & Event Logging:	PRO model only. 100 hours of measurements logged at 1x per minute. Logging rate configurable up to 12x per minute. Event logging also available during operation. Logged data downloadable to PC via <i>PocketPort</i> USB device, and Windows software.
Tests:	Self-Test on startup checks circuitry, alarms, battery, and operating temperature. Does not check if sensor is operating normally.
Calibration:	Recommended at least 1x per year, or whenever accuracy of reading is critical.
Conditioning:	Conditioning with ozone recommended if instrument has not seen ozone in some time, especially if rapid response time for low-levels is critical.
Sensor:	Transducer Technology T-Series electrochemical (3ET1PO3)
Battery information:	Battery check on startup and during operation. User replaceable CR2450 coin battery.
Warranty:	Instrument, including sensor: One year.

* The amount of interference depends upon the interfering gas concentration and type.