

# Ozone SAM

## 0.20 - 3.00 ppm

### Introduction

The Ozone Single Analyte Meter (SAM) is a microprocessor-based instrument for use with CHEMetrics Vacu-vial™ ampoules. The instrument displays ppm (mg/Liter) ozone as O<sub>3</sub>.

### To Set Zero

1. Insert the Vacu-vial blank ampoule into the sample cell compartment.
2. Press and hold the button until the instrument displays “---”, then 0.00. (2 seconds)

### To Take a Test Reading

1. Follow the Test procedure in the Ozone Vacu-vials test kit.
2. Insert the resulting Ozone Vacu-vial ampoule into the sample cell compartment.
3. Press the button briefly and release. The test result will appear immediately.

**NOTE:** Do NOT hold the button down or the instrument will set zero using the test ampoule, causing erroneous results.

### Operating Tips

- \* Wipe the Vacu-vial blank ampoule clean before each use.
- \* Rezeroing is not necessary if a series of samples is to be run.

### Specifications

Optics: Light emitting diode, wavelength filter and photodetector  
Environment: 0 to 40°C (32 to 104°F) Max 95% RH  
Battery: 2 AA alkaline batteries  
Auto Shut-Off: after 10 seconds of non-use

### Error Messages

Display	Cause	Action
E1	Colored, dirty or scratched BLANK ampoule used.	Re-zero instrument on a correct BLANK in a clean, dry ampoule.
E2 / E3	a) Incorrect BLANK used to zero instrument. b) Electrical fault in instrument.	a) Re-zero instrument on a correct BLANK. b) Return instrument for repair.
E4	Battery voltage too low for correct reading.	Change batteries.
E5	Stray light has affected the reading.	a) Remove instrument from vicinity of spotlights or other bright light sources. b) Check instrument for damage.
HI	Test result is above claimed operational range.	Report > 3.00 ppm.

*The SAM instrument carries an unconditional guarantee of freedom from defects in material and workmanship for a period of one year from date of shipment. User access to the interior of the instrument may impair its function and will void this warranty. Improper use, application, or servicing also voids this warranty. Manufacturer's liability shall not exceed cost of replacement of the photometer.*

### Safety Information

Read MSDS before performing this test procedure. Wear safety glasses.

### Reorder Information

### Cat. No.

*Ozone Sam Test Kit, complete* ..... I-2007  
*Test Kit, complete* ..... K-7403



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[www.chemetrics.com](http://www.chemetrics.com) June 05, Rev. 1