

Ozone 3 SAM

I-2018: 0.15 - 0.75 ppm

Using the Ozone 3 SAM

1. After **Generating a Reagent Blank Ampoule** and following the Ozone 3 Trace Vacu-vials **Test Procedure** to generate a test ampoule, turn the Ozone 3 SAM on by pressing the ON/OFF switch.
2. The display will show "**Welcome CHEMetrics**", "**MODEL I-2018 OZONE 3**", "**AUTOBLANK ON OZONE 3**", then it will prompt the user to "**INSERT SAMPLE**". When it does, insert the Trace Vacu-vial that was previously snapped in the sample into the instrument's sample compartment.
3. The display will show "**READING SAMPLE, PLEASE WAIT**", then it will prompt the user to "**REMOVE SAMPLE**". When it does, remove the Trace Vacu-vial ampoule.
4. After the Trace Vacu-vial ampoule is removed, the display will prompt the user to "**INSERT BLANK**". When it does, insert the Reagent Blank Ampoule that was previously generated into the instrument's sample compartment.
5. The display will show "**READING BLANK, PLEASE WAIT**".
6. Sample test results will appear in the display as mg/L ozone. Record the test result.
7. When the Reagent Blank Ampoule is removed, the display will prompt the user to "**INSERT SAMPLE**". When it does, insert the next Trace Vacu-vial ampoule that was previously snapped in the sample into the instrument's sample compartment or press the ON/OFF switch to turn the instrument off.

Operating Tips

- * Protect photometer from extreme humidity, corrosive fumes and dusty areas. Store in a cool, dry place.
- * Remove the batteries when photometer is not in use.
- * The battery life may be prolonged by turning photometer OFF after use.
- * The photometer must be turned off and back on again for re-zeroing. However, re-zeroing is not necessary when reading a series of samples.
- * When moving the photometer from one temperature extreme to another, wait at least 10 minutes before use to allow photometer to come to temperature equilibrium.

Specifications

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

Auto Shut-Off:	After 15 minutes of non-use
Light Source:	595 nm narrow band light emitting diode
Operating Temp.:	0 to 40°C (32 to 104°F)
Storage Temp.:	-10 to 70°C (14 to 158°F)
Battery:	4 x 1.5 volt (size AA) alkaline batteries
Battery Replacement:	Remove cover on bottom of instrument and insert batteries (observe correct polarity as indicated by battery holder).

Displays and Troubleshooting

Battery Low:	Batteries are getting weak and should be replaced.
Battery Dead:	Batteries are dead and must be replaced.
Dilute & Retest:	Sample is over-range. Dilute fresh sample with distilled water and repeat test procedure with this diluted sample. Multiply test result by the dilution factor.
Below MDL:	Sample concentration is below 0.12 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.



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