

Detergents SAM

I-2017: 0.25 - 2.50 ppm

Introduction

The Detergents Single Analyte Meter (SAM) is a microprocessor-based instrument for use with CHEMetrics instrumental detergents test. The instrument displays ppm (mg/Liter) LAS (linear alkylbenzene sulfonate, equivalent weight: 325).

To Set Zero

1. Insert the zero test tube filled with distilled or deionized water 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 Instrumental Detergents test.
2. Insert the resulting Detergents Test Tube 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, causing erroneous test results.

Operating Tips

- * Wipe the zero test tube clean before each use.
- * Rezeroing is not necessary if a series of samples is to be run.
- * Remove batteries when photometer is not in use.

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 tube used.	Re-zero instrument on a correct BLANK in a clean, dry tube.
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 more than 120% above claimed operational range.	Dilute the sample and repeat the test.
LO	Test result is less than 0.25 ppm LAS	

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.



www.chemetrics.com
4295 Catlett Road, Calverton, VA 20138-0214 U.S.A.
Phone: (800) 356-3072; Fax: (540) 788-4856
E-Mail: orders@chemetrics.com

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