



## **Please Read Before Using Your ECOM Analyzer**

Please take a moment and [REGISTER YOUR ECOM](#) on our website.

Make sure all connectors and cables are seated properly before turning unit on.

**Charging** the analyzer after each use will insure proper operation of the battery and the Nitric Oxide (NO) sensor. Charge the battery completely before storing. Full charge is achieved in 8-10 hours. If storing for months at a time, the analyzer should be turned off and left plugged into AC power.

The analyzer should be **stored at room temperature**.

CO<sub>2</sub>, Lambda (excess air), Losses and Efficiency are **Calculated Values**. To view the calculated values, the Oxygen (O<sub>2</sub>) concentration must be below 20.5% and the flue gas temperature must be at least 5°F higher than ambient temperature.

The **NOX/SOX filter media** protects the Carbon Monoxide (CO) sensor from cross interference by other gases. These are the purple beads in the tube on the analyzer. Replace the media when the beads begin to turn light gray or white.

Change all filters when visibly dirty to prevent premature damage to sensors.

Exposing your analyzer to gas concentrations that exceed the stated ranges of each sensor may shorten the expected life of the sensor. After prolonged testing, disconnect the sample-line and blow compressed air through it back toward the probe (with draft line disconnected from probe). This blows out any soot and water from line. Also clean out and dry the water trap bowl and allow the analyzer to run in fresh air for up to 30 minutes in order to clear out residual gases and moisture. In applications where ammonia may be present in the exhaust stream, it is necessary to perform the above functions, and also allow the analyzer to run in fresh air for several hours or overnight to purge the ammonia odor.

**Calibration:** The sensors in your ECOM analyzer **require periodic calibration**. The frequency of calibration is dependant on usage and testing objectives. Calibration gas cylinders are available from ECOM.

Before you send your unit in to us for **yearly calibration** you will need to get a RMA number. The best way to get a return authorization number is to go to our web site. If you click [HERE](#) it will take you to the form that needs to be filled out. Your RMA number will be emailed to the address that you list within a few minutes. Make sure that you double check the spelling of your email before you click on submit.

When **shipping** your analyzer, package it in a **double walled corrugated box** or shipping container with at least two inches of firm packing material like bubble wrap or packing peanuts around it to avoid damage to the analyzer. Fill the void inside the case with bubble wrap to keep everything in place and prevent damage.

Consult the **Operation Manual** provided with your analyzer for more details regarding the use and care of your analyzer. **For any questions call ECOM at 877-326-6411.**