

## **Care & Storage of your ECOM Analyzer**

To maximize the life of your analyzer please adhere to the following storage and care instructions for your ECOM Portable Emission Analyzer.

### **END OF WORK DAY CARE & STORAGE**

1. After your daily operations or between shifts it is important to do a quick routine maintenance check of your analyzer.
2. Use small Bursts of compressed air to blow out then sample line and probe, if you do not have a compressor available you can hang the line to drain out any remaining water/condensation.
3. Remove the water trap bowl, clean and dry it out using a towel to remove any moisture or debris, replace bowl.
4. Check the water trap filter, if it smells or is discolored or if the analyzer has been over exposed to higher than normal concentrations of CO or other emissions, remove and replace it. Clean out the filter assembly with compressed air, replace filter and secure lid.
5. Run your analyzer with the pump on overnight to purge out any remaining emissions that may adversely affect the sensors, leaving your analyzer running with the pump on and plugged in will not harm the analyzer, in fact it will aid in the recovery of dirty sensors that have been contaminated by emissions.

**IF YOU WILL BE STORING YOUR ANALYZER FOR AN EXTENDED PERIOD OF TIME PLEASE REFER TO THE STORAGE PROCEDURES BELOW.**

### **MONTHLY CARE & LONG TERM STORAGE**

1. Store your analyzer in a cool environment such as a climate controlled workshop. Ensure that your storage area has an available power outlet to continuously charge your analyzer.
2. Remove the sample line from the analyzer with probe still attached, if you have access to an air compressor blow out the sample line and probe with short bursts of air. If you do not have access to compressed air you can simply hang the sample line from a high point that will allow any remaining water/condensation to drain out.
3. Remove the probe from the sample line and clean with a cloth, you can also use a mild ammonia based cleaner i.e., window cleaner. Store the sample line and probe in the top lid cover.
4. Remove the water trap bowl, clean and dry it out, use a cloth to remove any moisture and debris. Replace water trap bowl.
5. Check the water trap filter, if it smells or is discolored or if the analyzer has been over exposed to higher than normal concentrations of CO or other emissions, remove and replace it. Clean out the filter assembly with compressed air (or a clean cloth), replace filter and secure lid.
6. Plug in your analyzer and turn it on to normal operation mode and run with the pump on overnight to purge out any remaining emissions that may adversely affect the sensors.
7. When placing your analyzer in storage it is important to keep the unit plugged in. If you do not have power available in your storage area you should remove it on the 1<sup>st</sup> and 15<sup>th</sup> of each month, plug it in and run overnight then put away.

If you have more than one analyzer in your fleet and do not use each of them daily it is best to rotate them in your working line up monthly.

Please contact the service department at ECOM America Ltd. if you have any questions on storage and care.