

RUGGED RELIABLE ACCURATE LIGHTWEIGHT



## ECOM-D VERSATILITY AT ITS BEST

The ecom-D analyzer is engineered to perfectly adapt to your individual testing needs. We offer custom configurations and features like an App to allow for remote readings and wireless data transfer to your tablet or smart phone as well as PC based software for customized reporting.



## BUILT WITH OUR CUSTOMER IN MIND

### ECOM-D FEATURES

- UP TO 6 ELECTROCHEMICAL SENSORS, INCLUDING INFRARED
- SENSOR OPTIONS: O<sub>2</sub>, CO, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, C<sub>x</sub>H<sub>y</sub>, CO<sub>2</sub> & CH<sub>4</sub> (IR)
- CO PURGE PUMP TO PREVENT OVERSATURATION
- CONDENSATE TRAP WITH ELECTRONIC SHUT OFF
- AMBIENT OR PELTIER COOLER SAMPLE CONDITIONER
- FLUE GAS, AMBIENT & SENSOR TEMPERATURE
- AVERAGING TEST FEATURE
- ONBOARD CALCULATIONS FOR CO<sub>2</sub>, EFFICIENCY, EXCESS AIR AND O<sub>2</sub> CORRECTION

### ECOM-D ADD-ONS

- E-COMPLY TESTING & REPORTING SOFTWARE
- CALIBRATION GAS KIT
- HEATED SAMPLE LINE
- INFRARED OR ATTACHED PRINTER

## SOFTWARE CAPABILITIES

Snapshot or Cycle Testing  
Easy Data Access  
Customizable Report Generation  
Automated Testing  
Mass Emission and Volumetric Calculations  
Pre & Post Test Calibration



For more detailed information please visit [www.ecomusa.com](http://www.ecomusa.com).

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## ECOM-D HIGHLY VERSATILE, RESULT FOCUSED

### ECOM-D TECHNICAL SPECIFICATIONS

Measurements	Range	Accuracy	Resolution	Sensor***	Sensor type
Oxygen (O <sub>2</sub> )	0-21% vol	± 0.2% vol	0.1% vol	4-5 Years	Electrochemical
Carbon Monoxide (CO)	0-10,000 ppm	± 2% Measured*	1 ppm	6-8 Years	Electrochemical
Carbon Monoxide (high)	0-63,000 ppm	± 2% Measured*	5 ppm	6-8 Years	Electrochemical
Nitric Oxide (NO)	0-5,000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitric Oxide (low)	0-500 ppm	± 5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (NO <sub>2</sub> )	0-1,000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (low)	0-100 ppm	± 5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Sulfur Dioxide (SO <sub>2</sub> )	0-5000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Hydrogen Sulfide (H <sub>2</sub> S)	0-1000 ppm	± 2% Measured*	1 ppm	4 Years	Electrochemical
Carbon Dioxide (CO <sub>2</sub> )	0-20% vol	± 5% Measured*	0.1% vol	5 Years	Infrared Sensor
Methane (CH <sub>4</sub> )	0-5% vol	± 5% Measured*	0.01% vol	5 Years	Infrared Sensor
Combustibles (C <sub>x</sub> H <sub>y</sub> )	0-4% vol		0.01% vol	5 Years	Pellistor
Draft / Pressure	± 40" H <sub>2</sub> O	± 2% Measured*	0.004" H <sub>2</sub> O	10 Years	DMS
Gas Temperature	32-1832 F**	± 0.5%			
Ambient Temperature	40-122° F	± 1° F			
O <sub>2</sub> Correction	0-20% Oxygen	Calculated			
Carbon Dioxide	0-CO <sub>2</sub> max of fuel	Calculated			

\* Accuracy: When calibrated prior to use per ECOM America, Ltd. specifications.

\*\* Probe dependent

\*\*\* Sensor life will vary due to frequency of use and application



**Your Logo** Engine Emissions Test Report  
Emissions Test Date: 07/08/2015 03

00001647  
ECOM  
Steve Service  
Phone: 770.532.3280

CO: g/BHP-Hr\* NOx: g/BHP-Hr\*

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**Your Logo** Boiler Combustion Test Report  
Emissions Test Date: 06/14/2016 02

ECOM  
Procter & Gamble Company Inc.  
John Smith  
Phone: (770) 532-3280  
1700 Peachtree Drive  
Gainesville, GA 30507  
Mobile: (770) 874-4265  
Email: john.smith@pg.com

**PHYSICAL LOCATION**  
Operational Area: Gainesville Facility Name: Corporate H2

**EQUIPMENT INFORMATION**  
Unit Name: Boiler 1 National Identifier: 14281785 Boiler Parameters go here  
Boiler Type: Process  
Boiler Make: Clever Brooks  
Boiler Model: N/A  
Boiler Serial: 14281785

**PERMIT INFORMATION**  
Permit #: 123456 Permit Date: 10/10/2015 Permit CO Level: 1200  
Permit Equipment #: 123456 Permit Units: ppm @ 15 % O<sub>2</sub> Permit NOx Level: 250

**ANALYZER INFORMATION**  
Model: ecom-J201pro Industrial Serial #: 9050 Last Stability Test: 05/05/15  
Last Linearity Test: 05/05/15

Emissions Test Results									
Unit	Test	Unit	Test	Unit	Test	Unit	Test	Unit	Test
ppm	0.15	CO	0.15	ppm	0.15	ppm	0.15	ppm	0.15
ppm	0.15	CO	0.15	ppm	0.15	ppm	0.15	ppm	0.15
ppm	0.15	CO	0.15	ppm	0.15	ppm	0.15	ppm	0.15
ppm	0.15	CO	0.15	ppm	0.15	ppm	0.15	ppm	0.15

**ANALYZER AVERAGE INFORMATION**  
Total Average CO: 1.67 % Total Average NOx: 0.000 ppm Total Average CO<sub>2</sub>: 14.00 ppm  
Total Average: 146.871 ppm Total Average NO<sub>2</sub>: 0.000 ppm Total Average: 11.000 ppm  
Total Average: 0.000 ppm  
Total Average NO<sub>2</sub>: 0.000 ppm  
Technician: Date:

e-Comply software

### ELECTRICAL

Battery life: 3-5 hour,  
6V 3.3Ah Li-ion  
Pump: Flow rate of 0.8-1.0 lpm  
Display: Backlit adjustable  
contrast & zoom, displays all  
parameters simultaneously

### DIMENSIONS

7.25" x 3.0" x 5.0"  
3.5 lbs weight  
Standard with 9 ft or 15 ft  
sample line  
1 ft probe



Industrial package

### CONTACT US

ECOM America, Ltd.  
1628 Oakbrook Drive  
Gainesville, GA 30507

Toll Free: 1-877.326.6411  
Tel: 770.532.3280  
ecom.info@ecomusa.com

**ECOM-D handheld analyzer  
adapts to your needs and  
delivers accurate results.**

For more detailed information please visit [www.ecomusa.com](http://www.ecomusa.com).