

ecom[®]D

ECOM excellence in action



Functioning as a durable handheld that easily fits in the palm of your hand or as a case mounted analyzer, the ecom-D is built with our customers in mind.

Features

- Up to 6 Electrochemical Sensors • Sensor Options: O2, CO, NO, NO2, SO2, H2S, CO2 (IR), CH4 (IR) • 15' Standard Sample Line* • 1 ft Inconel Probe* • CO Purge Pump to Prevent Oversaturation • Condensate Trap • Ambient Cooler Sample Conditioner • Flue Gas, Ambient and Sensor Temperature • Averaging Test Feature • Onboard Calculations for CO2

- Efficiency • Excess Air and O2 Correction • Wi-Fi

OPTIONAL ADD-ONS

- Bluetooth • e-Comply Compliance and Reporting Software • Calibration Gas Kit • Heated Sample Line • 1 ft Flex Tip Probe • Infrared Printer



www.ecomusa.com

Rugged Reliable Accurate



ecom-D Technical Specifications

MEASUREMENT	RANGE	ACCURACY	RESOLUTION	SENSOR LIFE ³	SENSOR TYPE
Oxygen (O2)	0-21% vol	± 0.2% vol	0.1% vol	4-5 Years	Electrochemical
Carbon Monoxide (CO)	0-10,000 ppm	± 2% Measured ¹	1 ppm	6-8 Years	Electrochemical
Carbon Monoxide (high)	0-63,000 ppm	± 2% Measured ¹	5 ppm	6-8 Years	Electrochemical
Nitric Oxide (NO)	0-5,000 ppm	± 5% Measured ¹	1 ppm	6-8 Years	Electrochemical
Nitric Oxide (low)	0-500 ppm	± 5% Measured ¹	0.1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (NO2)	0-1,000 ppm	± 5% Measured ¹	1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (low)	0-100 ppm	± 5% Measured ¹	0.1 ppm	6-8 Years	Electrochemical
Sulfur Dioxide (SO2)	0-5,000 ppm	± 5% Measured ¹	1 ppm	6-8 Years	Electrochemical
Hydrogen Sulfide (H2S)	0-1,000 ppm	± 2% Measured ¹	1 ppm	4 Years	Electrochemical
Carbon Dioxide (CO2)	0-20% vol	± 5% Measured ¹	0.1% vol	5 Years	Infrared sensor
Methane (CH4)	0-5% vol	± 5% Measured ¹	0.01% vol	5 Years	Infrared sensor
Combustibles (CxHy)	0-4% vol		0.01% vol	5 Years	Pellistor
Draft / Pressure	± 40" H2O	± 2% Measured ¹	0.004" H2O	10 Years	DMS
Gas Temperature	32-1832° F ²	± 0.5% ²			
Ambient Temperature	-4-250° F	± 1° F			
O2 Correction	0-20% Oxygen	Calculated			
Carbon Dioxide	0-CO2 max of fuel	Calculated			

Electrical

Battery Life: 3-5 hours, 6V 3.3Ah (Li-ION)

Pump: Flow rate of 0.8 - 1.0 lpm

Display: Backlit, adjustable contrast & zoom, displays all parameters simultaneously

Dimensions

The ecom-D is a modular system, available with separate thermoelectric cooler & thermal printer modules.

Optional probe & sample line lengths are available.



¹ When calibrated prior to use per ECOM America, Ltd. specifications

² Probe dependent

³ May vary due to frequency of use and application

Contact

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"The modular design of the ecom-D makes it easy to work with in several environments."