

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
- 10' -15' Standard Sample Line • 1ft Inconel Probe (up to 1832F/1000C) • CO Purge Pump to Prevent Oversaturation • Condensate Trap • Ambient Cooler Sample Conditioner • Flue Gas, Ambient, & Sensor



- Temperature • Averaging Test Feature • Onboard Calculations for CO2, Efficiency, Excess Air and O2 Correction • Wi-Fi

OPTIONAL ADD-ONS

- Bluetooth Link • CRS Compliance Testing Software • Calibration Gas Kit • Heated Sample Line • 1ft Flex Tip Probe



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Rugged Reliable Accurate



D Technical Specifications

MEASUREMENT	RANGE	ACCURACY	RESOLUTION	SENSOR LIFE	SENSORTYPE
Oxygen (O2)	0-21 vol%	± 0.3 vol%	0.1vol%	2 Years	Electrochemical
Carbon Monoxide (CO)	0-10,000 ppm	± 2% Measured*	1 ppm	3 Years	Electrochemical
Carbon Monoxide (high)	0-40,000 ppm	± 2% Measured*	5 ppm	3 Years	Electrochemical
Nitric Oxide (NO)	0-5,000 ppm	± 2% Measured*	1 ppm	3 Years	Electrochemical
Nitric Oxide (low)	0-500.0 ppm	± 2% Measured*	0.1 ppm	3 Years	Electrochemical
Nitrogen Dioxide (NO2)	0-500 ppm	± 2% Measured*	1 ppm	3 Years	Electrochemical
Nitrogen Dioxide (low)	0-50.0 ppm	± 2% Measured*	0.1 ppm	3 Years	Electrochemical
Sulfur Dioxide (SO2)	0-5000 ppm	± 2% Measured*	1 ppm	3 Years	Electrochemical
Gas Temperature	32-1832 F	± 2% Measured*	1 deg F	10 Years	NiCrNi
Ambient Temperature	0-250 F	± 2% Measured*	1 deg F	10 Years	Semi-conductor
Draft / Pressure	± 40" H2O	± 2% Measured*	0.1% H2O	10 Years	DMS
O2 Correction	0-20% Oxygen	Calculated			
Carbon Dioxide	0-CO2 max of fuel	Calculated			
Efficiency (Eta)	0-99.9%	Calculated			
Excess Air (Lambda)	1-infinity	Calculated			
Losses	0-99.9%	Calculated			
Smoke Scale	0-9				

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

Electrical

3-5 hour battery life, 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.



Contact

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