

Portable Emissions Analyzer



ecom[®] EN2

Another Industry Standard - Set.

The ECOM EN2 is a compact portable emission analyzer housed in a rugged case, offering features found on larger, more expensive units.

Features

- Up to 4 Electrochemical Sensors
- Sensor Options: O₂, CO, NO & NO₂
- Data Logging with Memory Card
- Averaging Tests
- USB Interface
- On-Board Printer
- Undercase Storage Compartment
- 15ft Standard Sample Line
- 1ft Inconel Probe (up to 1832F/1000C)
- CO Purge Pump to Prevent Oversaturation
- Peltier Cooler Sample Conditioner
- Peristaltic Pump for Automatic Moisture Removal
- Flue Gas, Ambient, & Sensor Temperature Sensors
- CO₂, Efficiency, Losses, Excess Air, & O₂ Correction Calculations
- Bluetooth Link (Option)
- DAS Compliance Testing Software (Option)
- Soot Test Probe (Option)



Remove storage compartment for easy transport!



www.ecomusa.com

Rugged

Reliable

Accurate



ecom-EN2 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
Combustibles (CxHy)	0-4.00% 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			
Losses	0-99.9%	Calculated			
Smoke Scale	0-9				

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

*2 Probe dependent

*3 May vary due to frequency of use and application

Electrical

Battery Life: 3-5 hours , 6.4V 6Ah Li-ion

Pump: Flow rate of 1.8 - 2.3 lpm

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

Dimensions

Instrument: 6.5" W, 16" L, 9.5" H

Probe: 12" Length x 3/8" OD Inconel w/ pistol grip handle

Sample Line: 15' high-temp flex hose w/thermocouple wire

Weight: 24 lbs (16 lbs without under case)

Optional probe & sample line lengths are available.



Contact

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"The handheld remote coupled with the memory card on the ecom-EN2 makes the perfect combination of simple data collection and easy transport!"