ECOM

ECOM EN2

Portable Emission Analyzer

- Measures O2, CO, NO, NO2, SO2 & Low NOx
- Calculates CO2, efficiency, losses excess air & O2 correction
- Thermoelectric gas cooler & Moisture removal
- Automatic CO over-range protection
- High Speed thermal printer
- On-board flowmeter with digital read out
- Data processing Software with Bluetooth
- Backlit Display
- Ambient and Flue Gas temperature measurement
- Undercase removable storage container

The ECOM EN2 is a compact portable combustion analyzer, offering features found on larger, more expensive units.

The instrument is housed in a rugged aluminum frame and hard-side case and measures up to 4 gases, from O2, CO, NO, NO2, plus probes for temperature and stack draft / pressure. The EN2 also calculates CO2, efficiency and excess air.

A strong, internal pump and peltier gas cooler with automatic condensate drain ensures proper sample conditioning, leading to better accuracy and longer sensor life. An on board printer, SD Memory Card and wireless Bluetooth are standard features.

Common applications for the EN2 include set-up, maintenance and emission monitoring of natural gas, diesel, and oil fired boilers, burners, and reciprocating engines. The compact size, simple operation, and long battery life make the EN2 a perfect tool for field technicians.

MEASUREMENT (KEY)	RANGE	ACCURACY	RESOLUTION	SENSOR LIFE	SENSOR TYPE
Oxygen (O)	0-21%	± 2% Measured	0.1% vol.	2 Years	Electrochemical
Carbon Monoxide (C)	0-10,000 ppm	± 2% Measured	1 ppm	3 Years	Electrochemical
Carbon Monoxide (V)	0-40,000 ppm	± 2% Measured	1 ppm	3 Years	Electrochemical
Nitric Oxide (N)	0-4,000 ppm	± 2% Measured	1 ppm	3 Years	Electrochemical
Nitric Oxide (N.)	0-400 ppm	± 2% Measured	0.1 ppm	3 Years	Electrochemical
Nitrogen Dioxide (X)	0-500 ppm	± 2% Measured	1 ppm	3 Years	Electrochemical
Nitrogen Dioxide (X.)	0-50 ppm	± 2% Measured	0.1 ppm	3 Years	Electrochemical
Sulfur Dioxide (S)	0-5,000ppm	± 2% Measured	0.1 ppm	3 Years	Electrochemical
Gas Temperature	32-1800 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				
Carbon Dioxide (CO2)	0-CO2 max of fuel	Calculated			
Efficiency	0-99.9%	Calculated			
Exess Air (Lambda)	1- Infinity	Calculated			

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

PHYSICAL
Instrument alone: 9 ½ tall
(17 1/2" tall with under case) x 15 7/8" x 6 ½"
Probe: 12" length x ¼" OD Inconel probe w/ pistol grip handle.
Weight: 15 lbs

ELECTRICAL
Batteries: 6V lead-acid, extended battery life
Pump: Flow rate of 2 – 2.5 LPM
Display: Backlit, adjustable contrast & zoom, displays all parameters simultaneously.

OPERATING TEMPERATURE
Core temperature of the instrument is monitored continuously. Internal Temperature Compensation software assures accurate sensor response over the range of 20°F to 104°F. Optional probe & sample line lengths are available.

Customer Service / Technical Support

Customer Service / Technical Support *Optional probe & sample line lengths are available. ECOM America Ltd. has built an outstanding reputation in the industries we serve by providing a high quality product and responsive technical support to our customers. We maintain a large inventory of analyzers and parts to assure fast delivery of new items and quick turnaround on service. Always Expect Responsive Customer Support & Service from ECOM!

Order Information ECOM EN2

2-3 Gas	4 Gas
OC	OCNX
OV	OCN.X.
OCN	OCNS
OVN	OCVN
ONX	
OCV	

Standard Features:
Bluetooth with ECOM Basic Data Collection software
On board USB connection
SD Memory card slot
Dynamic Pressure Flow (displays and records flow rate)
Peltier Cooler (Thermoelectric cooler for advanced sample conditioning)

Optional Parts & Accessories:
ECOM ADAS (Advanced reporting software for compliant level applications meets current EPA protocols CTM 30&34)
Refillable Calibration Gas
Water Trap and Particulate Filters
Printer Paper

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