



ECOM CL

Portable Emission Analyzer

The standard ECOM CL package includes:

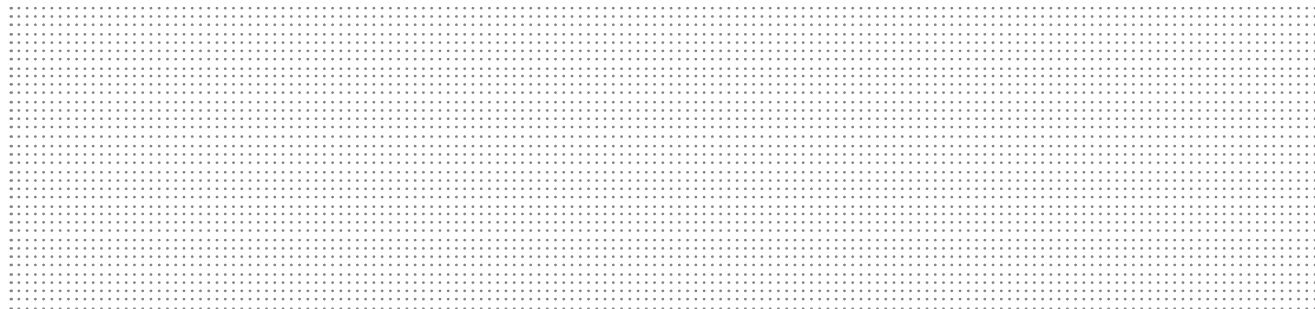
- Measures O₂, CO, & NO (NO_x)
- CO₂, efficiency, and excess air calculations
- Stack temperature and draft measurement
- Backlit LCD display
- On-board printer
- Gas cooler and moisture alarm with shutdown
- Sensor overrange protection
- On-board data storage
- Undercase removable storage container

The CL is a small, user-friendly portable gas analyzer designed for basic combustion monitoring or spot-checking in a variety of applications.

The CL is fitted with 2-3 sensors, measuring O₂, CO, and NO plus stack temperature and draft. Calculated values include NO₂ (for calculated NO_x) CO₂, efficiencies, losses, excess air, and O₂ correction.

The CL is housed in a robust ECOM hard case with aluminum frame suitable for rugged field use. A printer and on-board data storage allows for versatile data collection options. The sample conditioning system consists of a high flow pump and radiant gas cooler with moisture trap. Safety features include a moisture alarm and shut-off which protects the sensors from water damage, and a bypass pump that protects the CO sensor from over exposure.

The CL is a great option for field technicians that want portability along with accuracy. Common applications include spot-checking and periodic maintenance of natural gas, diesel, and oil fired boilers, burners, and reciprocating engines.



Technical Specifications

ECOM CL

MEASUREMENT (KEY)	RANGE	ACCURACY	RESOLUTION	SENSOR TYPE
Oxygen (O ₂)	0-21%	± 2% measured	0.1% vol.	Electrochemical
Carbon Monoxide (C)	0-4,000 ppm	± 2% measured	1 ppm	Electrochemical
Nitric Oxide (N)	0-4,000 ppm	± 2% Measured	1 ppm	Electrochemical
Gas Temperature	0-1000° F	± 2% Measured	1° F	NiCrNi
Ambient Temperature	0-250° F	± 2% Measured	1° F	Semi-Conductor
Draft / Pressure	± 40" H2O	± 2% Measured	0.1% H2O	DMS
O2 Correction	0-20% Oxygen			
Carbon Dioxide (CO ₂)	0-CO ₂ max of fuel	Calculated		
Efficiency	0-99%	Calculated		
Excess Air (Lambda)	1-infinity	Calculated		

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

PHYSICAL

Dimensions: ≈ 15" x 10" x 8"

Weight: 10.14 lbs - complete with sampling system

ELECTRICAL

Batteries: 6V / 3.8 Ah

Charger: 110/220V 50/60Hz

Cable Length: 72"

Display: Backlit, adjustable contrast & zoom

TEMPERATURE

Tolerated Ambient Temperature: +5° - +40° C

Tolerated Storage Temperature : -20° - +50° C

MAINTENANCE

Yearly Check Recommended

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 CL

The CL is available with 2 or 3 gas sensors

2 Gas

OC

3 Gas

OCN

Standard Features:

Measures O₂, CO, and NO

Calculates NO₂ for NO_x

Calculates CO₂, efficiency, and excess air

On-board printer

On-board data storage

Radiant gas cooler with moisture removal

10ft sample line & 1ft probe

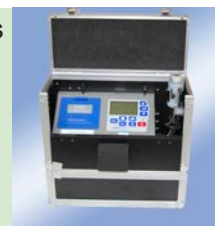
Parts & Accessories:

Water trap filters

In-line filters

Thermal printer paper

Calibration gas



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