

RUGGED RELIABLE ACCURATE LIGHTWEIGHT



## ECOM-EN3 SERIES RUGGED, RELIABLE, PORTABLE

Housed in a rugged case, the EN3 Series measures up to six gases. Simple operation, color display and long battery life makes it the perfect tool for field technicians.

This analyzer offers the quickest response time and most advanced filtration in its class and can also be used for State & local protocol, CTM-030 & CTM-034, ASTM D6522, ZZZZ, JJJJ, SQAQMD 1110.2, SCAQMD 1146.1 testing.



## EASY TRANSPORT + SIMPLE DATA COLLECTION

### ECOM-EN3 SERIES FEATURES

- UP TO 6 SENSORS, EASY REPLACEMENT
- SENSOR OPTIONS: O<sub>2</sub>, CO, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, C<sub>x</sub>H<sub>y</sub>, CO<sub>2</sub> & CH<sub>4</sub> (IR)
- CO PURGE PUMP TO PREVENT OVERSATURATION
- BRUSHLESS PUMP, ± 2.5 lpm FLOW
- AUTOMATED MOISTURE REMOVAL
- PELTIER COOLER SAMPLE CONDITIONER
- FLUE GAS, DRAFT, PRESSURE, AMBIENT & SENSOR TEMPERATURE
- ONBOARD CALCULATIONS FOR CO<sub>2</sub>, EFFICIENCY, EXCESS AIR AND O<sub>2</sub> CORRECTION

### ECOM-EN3 SERIES ADD-ONS

- E-COMPLY TESTING & REPORTING SOFTWARE
- CALIBRATION GAS KIT
- HEATED SAMPLE LINE

Search for "ECOM remote display" in Apple Store or in Android Google Play Store.



EN3-F



EN3-F case

For more detailed information please visit [www.cleanair.com](http://www.cleanair.com)

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**ECOM-EN3 SERIES GETS THE JOB DONE**

**ECOM-EN3 SERIES TECHNICAL SPECIFICATIONS**

Measurements	Range	Accuracy	Resolution	Sensor***	Sensor type
Oxygen (O <sub>2</sub> )	0-21% vol	± 0.2% vol	0.1% vol	4-5 Years	Electrochemical
Carbon Monoxide (CO)	0-10,000 ppm	± 2% Measured*	1 ppm	6-8 Years	Electrochemical
Carbon Monoxide (high)	0-63,000 ppm	± 2% Measured*	5 ppm	6-8 Years	Electrochemical
Nitric Oxide (NO)	0-5,000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitric Oxide (low)	0-500 ppm	± 5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (NO <sub>2</sub> )	0-1,000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (low)	0-100 ppm	± 5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Sulfur Dioxide (SO <sub>2</sub> )	0-5000 ppm	± 5% Measured*	1 ppm	6-8 Years	Electrochemical
Combustibles (C <sub>x</sub> H <sub>y</sub> )	0-4.00% vol		0.01% vol	5 Years	Pellistor
Methane (CH <sub>4</sub> )	0-5% vol	± 5% Measured*	0.01% vol	5 Years	Infrared Sensor
Carbon Dioxide (CO <sub>2</sub> )	0-20% vol	± 5% Measured*	0.1% vol	5 Years	Infrared Sensor
Hydrogen Sulfide (H <sub>2</sub> S)	0-1000 ppm	± 2% Measured*	1 ppm	4 Years	Electrochemical
Draft / Pressure	± 40" H <sub>2</sub> O	± 2% Measured*	0.004" H <sub>2</sub> O	10 Years	DMS
Gas Temperature	32-1832 F**	± 0.5%			
Ambient Temperature	40-122° F	± 1° F			
O <sub>2</sub> Correction	0-20% Oxygen	Calculated			
Carbon Dioxide	0-CO <sub>2</sub> max of fuel	Calculated			

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

\*\* Probe dependent

\*\*\* Sensor life will vary due to frequency of use and application



EN3-R



EN3-R Case

**ELECTRICAL**

Battery type: 8.4V Li-ion  
Pump: Flow rate of 2.5 lpm  
Display: Back-lit adjustable contrast & zoom, displays all parameters simultaneously

**DIMENSIONS & WEIGHT**

Dimensions:  
16" x 11" x 8" (ecom-EN3-R)  
22" x 15" x 7.5" (ecom-EN3-F)  
Weight:  
16.5 lbs (EN3-R)  
18.75 lbs (EN3-F)

**SAFETY**

Purge pump for CO sensor  
Fresh air purge upon shut-down  
Automated moisture removal

**CONTACT US**

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**The ECOM-EN3 Series portable analyzer is easy to operate and gets the job done right.**

For more detailed information please visit [www.cleanair.com](http://www.cleanair.com)