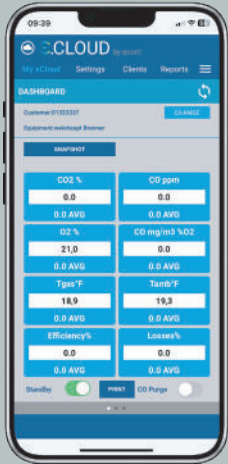


ecom-EN3^{SERIES}

Housed in a rugged case the ecom-EN3 Series analyzer is easy to operate, reliable...
to get the job done right the first time.

Quickest response time & most
advanced filtration in its class



PORTABLE GAS ANALYSIS



Made in Germany



Accurate

Its advanced sample conditioning system with CO over-range protection provides for accurate measurement results



Reliable

Equipped with proven sensor technology and long-life gas pump the ecom-EN3 Series can be used for State & local protocol testing



Portable

Offered in two rugged case options the analyzer adapts to your portability requirements

ecom[®]
Measurement Technology

PARTNER
206 Pembina Road, Sherwood Park, AB T8H 0L8
info@intricategroup.com | 780-357-6909
intricategroup.com/products



"Easy transport, quick response & simple data collection."

GETS THE JOB DONE

Tuning and verification of commercial & industrial combustion processes



- Up to six (6) gas sensors including infrared
- Easy sensor replacement
- Peltier cooler sample conditioner
- Automated moisture removal
- CO sensor overload protection to avoid measurement interruption
- Brushless pump, $\pm 1,5$ lpm flow
- H_2 - ready, for high moisture and solid fuels applications
- Integrated printer and automated soot measurement

● = Basis EC ● = Optional EC ● = Optional NDIR; ● = Optional Pellistor



Technical data				✓ Standard • Option
Measurements	Range	Resolution	Accuracy	
Sensors				6
O ₂	0...21 %	0,1 vol. %	± 0,3 vol. %	✓
CO (H ₂ -comp.)	0...2,500 ppm (10,000 ppm)	1 ppm	± 20 ppm measured	✓
CO%	0...63,000 ppm	5 ppm	± 10 % measured	•
CO ₂ IR-sensor	0...20 vol. %	0,01 vol. %	± 5 % measured	•
	0...100 vol. %	0,01 vol. %	± 5 % measured	•
NO	0...5,000 ppm	1 ppm	± 5 ppm measured	•
NO _{ExtraLow}	0...500 ppm	0,1 ppm	± 5 ppm measured	•
NO ₂	0...1,000 ppm	1 ppm	± 5 ppm measured	•
NO _{2Low}	0...100 ppm	0,1 ppm	± 5 ppm measured	•
NO _x	sum of NO/NO ₂			
SO ₂	0...5,000 ppm	1 ppm	± 5 ppm measured	•
H ₂	0...2,000 ppm	1 ppm	± 5 ppm measured	•
	0...20,000 ppm	1 ppm	± 5 ppm measured	•
H ₂ S	0...1,000 ppm	1 ppm	± 5 ppm measured	•
	0...5,000 ppm	1 ppm	± 5 ppm measured	•
CH ₄ IR-sensor	0...5 vol. %	0,01 vol. %	± 5 % measured	•
	0...100 vol. %	0,1 vol. %	± 5 % vol. % of range	•
C _x H _y Pellistor	0...4 vol. %	0,01 vol. %		•

Technical data	
Calculated values	Range
CO ₂	0...CO _{2max}
Combustion efficiency (ETA)	1...120 %
Excess air (lambda)	>1
Losses qA	0...100 %
CO _(U) undiluted	x ppm
dew point	x° C
mg/m ³	x mg/m ³
mg/kWh	x mg/kWh
NO _x	ppm
O ₂ correction	x % O ₂

Measurements	Range	Resolution	Accuracy	
T-Gas	32...932 °F	0,1 °F	± 1,5 % measured	✓
	32...1,832 °F	0,1 °F	± 1,5 % measured	•
T-Air	32...210 °F	0,1 °F	± 1 °F	✓
Draft ΔP	± 40" H ₂ O	0.004" H ₂ O	± 2 % measured	✓

Optional Add-ons

- Stack velocity kit
- Heated sample lines with custom lengths
- Calibration gas kits

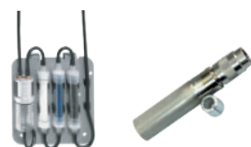
Heat protection shield

To protect the probe against heat.



Pre-Filters

To provide additional protection for soot heavy applications.



ecom-DP2

Differential pressure meter that combines multiple manometers into one.



e.CLOUD by ecom

Digital reporting, data-, customer & equipment management.

