

ecom-D

Our compact professional analyzer for verification & tuning work.

Combined with our e.CLOUD App allows for wireless data transfer and centrally managed reporting.

Engineered to perfectly adapt to
your individual testing needs



HANDHELD COMBUSTION ANALYSIS



Made in Germany



Reliable

Protected by a rugged Pelican case, a metal chassis, and an industrial sample condition system



Efficient

Largest gas pump in its class allows for quick measurement



Versatile

Measuring low NO_x , high temperature or velocity, the ecom-D can be customized to meet your individual testing needs

ecom[®]
Measurement Technology

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



"Built with our customers in mind."

HIGHLY VERSATILE, RESULT FOCUSED

Tuning burners, reciprocating engines and gas turbines



- Up to six sensors (electrochemical, Pelistor & infrared)
- CO sensor over-range protection with fresh air purge avoids measurement interruption
- Ambient or Peltier cooler sample conditioner
- Electronically monitored condensate trap
- Quickest response time in its class
- H₂ - ready and solid measurement possible

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

O₂ CO NO NO₂ CO % SO₂ H₂ H₂S

CO₂ CH₄ C_xH_y

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	± 5 % 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

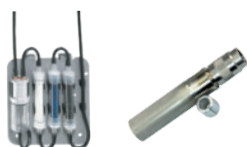
Measurements	Range	Resolution	Accuracy	
T-Gas	32...932 °F	0,1 °F	± 1,5 % measured	✓
	32...1,832 °F	0,1 °F	± 1,5 % measured	•
T-Air	32...210 °F	0,1 °F	± 1 °F	✓
Draft ΔP	± 40" H ₂ O	0.004" H ₂ O	± 2 % measured	✓

Optional Add-ons

- Stack velocity kit
- Heated sample lines with custom lenghts
- Mini gas cooler to reduce NO_x/SO_x drop out
- Attached printer or IR Printer

Pre-Filters

To provide additional protection for soot heavy applications.



Probe pipes

For different lenght and temperature requirements.



ecom-DP

Differential pressure meter that combines multiple manometers into one.



e.CLOUD by ecom

Digital reporting, data-, customer & equipment management.

