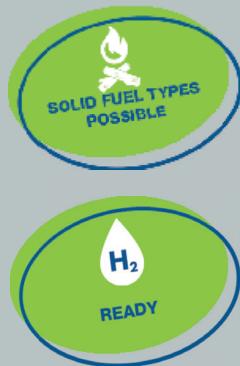




ecom-D, the compact professional flue gas analyser for inspection and adjustment work on industrial combustion plants

Tested in accordance with
EN 50379-2 and 1st BlmSchV



COMPACT FLUE GAS ANALYSIS

Made in Germany

Reliable

Precise measurement results thanks to sensor calibration in the climate chamber

Safe

No measurement interruption thanks to CO sensor overload protection and free purging during operation

Efficient

Switch on - measure - manage data - done!



ecom GmbH
Am Großen Teich 2
58640 Iserlohn
info@ecom.de

ecom[®]
Measurement Technology

THE HANDY INDUSTRIAL SOLUTION

Control measurements on industrial plants



● = Basis EC ● = Optional EC ● = Optional NDIR



Technical data				✓ Standard	• Option
Measured values	Range	Resolution	Accuracy * = Higher value prevails		
Maximum number of gas sensors					
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 / 5 % of reading*	✓	
CO%	0...63.000 ppm	5 ppm	± 100 ppm / 10 % of reading*	•	
CO ₂ IR sensor	0...20 vol. %	0,01 vol. %	± 0,5 vol. % / 5 % of reading*	•	
NO	0...5.000 ppm	1 ppm	± 5 ppm / 5 % of reading*	•	
NO ₂	0...1.000 ppm	1 ppm	± 5 ppm / 5 % of reading*	•	
NO _x	via NO/NO ₂				
SO ₂	0...5.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	•	
H ₂	0...2.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	•	
	0...20.000 ppm	1 ppm	± 50 ppm / 5 % of reading*	•	
H ₂ S	0...1.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	•	
CH ₄ IR sensor	0...5 vol. %	0,01 vol. %	bis 5 vol. % of reading*	•	
Other measured values					
T-Gas	0...500 °C	1 °C	± 2 °C / 1,5 % of reading*	✓	
	0...1.100 °C	1 °C	± 2 °C / 1,5 % of reading*	•	
T-Air	0...99 °C	1 °C	± 1 °C	✓	
Pressure △P	± 100 hPa	0,01 hPa	± 0,5 hPa / 1 % of reading*	✓	

- Up to 6 gas sensors possible
- Electronic condensate monitoring
- H₂ ready and solid fuel types analysis possible

Technical data	
Calculation values	Range
CO ₂	0...CO ₂ max
Combustion efficiency (ETA)	0...120 %
Excess air (Lambda)	>1
Losses qA	0...100 %
Dew point	x °C
mg/m ³	x mg/m ³
mg/kWh	x mg/kWh
O ₂ reference	x % O ₂

Options among others

- NO_x gas sampling hose for loss-free measurement of water-soluble NO₂ and SO₂ particles
- Gas flow measurement
- Mini gas cooler for sample drying before analysis
- Integrated high-speed thermal printer module

Probe prefilter

to prevent the ingress of solid components



Probe attachments

in various lengths and temperature ranges



ecom-DP

for measuring different pressures



e.CLOUD by ecom

digital measurement and customer data management

