

ecom-EN3 & EN3-R, robust portable analysers for fast effi cient inspection and adjustment work on small to medium-sized combustion plants systems

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









MOBILE FLUR GAS ANALYSER

Made in Germany



Reliable

Precise measurement results thanks to sensor calibration in the climate chamber



Efficient

Fast measurement results thanks to the largest pump in its class



Safe

No measurement interruption thanks to sensor overload protection and flushing during peration





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THE ROBUST CASE SOLUTION

Inspection and adjustment work on small and medium-sized systems



- Variant with integrated soot measurement [EN3-R]
- CO sensor overload protection with free purging without measurement interruption
- Electronic condensate monitoring
- H₂ ready and solid flue types analysis possible
- Backlit graphic display

CO%

SO.

Н,

H_oS

Technical darta			√ Standard	• Option
Measured values	Range	Resolution	Accuracy *= Higher value applies	
Maximum numbe	r of gas sensors			6
0,	021 %	0,1 vol. %	± 0,3 vol. %	√
CO (H ₂ -comp.)	02.500 ppm (10.000 ppm)	1 ppm	± 20 ppm / 5 % of reading*	√
CO%	063.000 ppm	5 ppm	± 100 ppm oder 10 % of reading*	
NO	05.000 ppm	1 ppm	± 5 ppm / 5 % of reading*	
NO ₂	01.000 ppm	1 ppm	± 5 ppm / 5 % of reading*	
NO _x	via NO/NO ₂			
SO ₂	05.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	
H_2	02.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	
H_2	020.000 ppm	1 ppm	± 50 ppm / 5 % of reading*	
H ₂ S	01.000 ppm	1 ppm	± 10 ppm / 5 % of reading*	
H_2S	05.000 ppm	1 ppm	± 50 ppm / 5 % of reading*	
Other measured variables	Range	Resolution	Accuracy	
T-Gas	0500 °C	1 °C	± 2 °C / 1,5 % of reading*	√
	01.100 °C	1 °C	± 2 °C / 1,5 % of reading*	
T-Air	099 °C	0,1 °C	± 1 °C	✓
Pressure △P	± 100 hPa	0,01 hPa	± 0,5 hPa oder 1 % of reading*	√

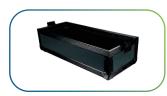
Technical data		
Calculation values	Range	
CO ₂	0CO _{2 max}	
Combustion efficiency (ETA)	0120 %	
Excess air (Lambda)	>1	
Losses qA	0100 %	
Dew point	x° C	
mg/m³	x mg/m³	
mg/kWh	x mg/kWh	
O ₂ reference	x % O ₂	

Options among others

- NO_x gas sampling hose for less-free measurement of water-soluble NO_2 and SO, particles
- Gas flow measurement
- Gas cooler for sample drying before analysis

Case

for convenient storage of accessories and tools.



ecom-xRE

readout head for digital burner controllers.



ecom-UNO

pocket-sized differential pressure gauge.



e.CLOUD by ecom

Digital measurement data and customer management.

