



ecom-B, the handiest flue gas analyser of ecom for inspections and short-term measurements on small combustion systems

Tested in accordance with  
EN 50379-2 and 1<sup>st</sup> BImSchV



# COMPACT FLUE GAS ANALYSIS

Made in Germany



## Reliable

Precise measurement results thanks to sensor calibration in the climate chamber



## Efficient

Switch on - measure - manage data - done!



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**ecom**<sup>®</sup>  
Measurement Technology

# THE HANDIEST ECOM SOLUTION

## Checking and adjusting gas and oil heating systems



- Freehand measurement thanks to magnets on the back for attachment to metallic surfaces
- CO sensor overload protection with fresh air purge without measurement interruption
- Long battery operation time with up to 150 measurements without charging thanks to integrated Li-Ion battery
- Up to 300 measurement data records storable

● = Basis EC ● = Optional EC



Technical data				✓ Standard	• Option
Measured values	Range	Resolution	Accuracy	* = Higher value prevails	
Maximum number of gas sensors					3
O <sub>2</sub>	0...21 %	0,1 vol. %	± 0,3 vol. %	✓	
CO (H <sub>2</sub> -comp.)	0...2.500 ppm (10.000 ppm)	1 ppm	± 20 ppm / 5 % of reading*	✓	
NO	0...5.000 ppm	1 ppm	± 5 ppm / 5 % of reading*		•
Other measured values	Range	Resolution	Accuracy		
T-Gas	0...500 °C	1 °C	± 2 °C / 1,5 % of reading*	✓	
T-Luft	0...99 °C	1 °C	± 1 °C	✓	
Pressure   ΔP	± 100 hPa	0,01 hPa	± 0,5 hPa / 1 % of reading*	✓	

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

**Transport bag**  
spacious textile bag for analyser and tools



**ecom-P**  
Infrared thermal printer



**CO-multi-hole probe**  
for measuring the CO concentration



**Annular gap multi-hole probe**  
for measuring the O<sub>2</sub> concentration in the annular gap



**Soot pump set**  
to determine the soot dot number



**ecom xRE**  
readout head for digital burner controllers



**ecom-UNO**  
pocket-sized differential pressure gauge.



**e.CLOUD by ecom**  
digital measurement and customer data management

