



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 1st 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[®]
Measurement Technology

„The better the setting, the higher the efficiency of the heating system“

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 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* | ✓ | |
| 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 | 0,1 °C | ± 1 °C | ✓ | |
| Pressure ΔP | ± 100 hPa | 0,01 hPa | ± 0,5 hPa / 1 % of reading* | ✓ | |

| 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 |

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 O₂ 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

