

TECHNICAL DATA SHEET

ecom-CL2 COMPACT FLUE GAS ANALYSIS

Compact, fast and reliable for flue gas measurements on domestic and small combustion systems

Whether attached to the boiler thanks to the magnets on the back or free-standing thanks to the fold-out stand, the appliance can be flexibly adapted to any situation.

Equipped with longlife sensors, a robust aluminium housing and an electronically monitored condensate trap, the device delivers precise measurement results combined with high operational reliability.

With an integrated high-speed thermal printer, backlit display and keypad, the ecom-CL2 is a reliable partner in everyday working life.



Dimensions: approx. 340 x 230 x 95 mm (W x H x D)
Weight: approx. 3 kg with sampling system

Technical data

Measured values	Range	Resolution	Accuracy *= Higher value prevails	
✓ = Standard; ● = Optional EC				
Maximum number of measurable gas components				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 measured value*	✓
CO (n. H ₂ -comp)	0...20.000 ppm	1 ppm	± 40 ppm / 10 % of measured value*	•
NO	0...5.000 ppm	1 ppm	± 5 ppm / 5 % of measured value*	•
Other measured variables	Range	Resolution	Accuracy *= Higher value prevails	
T-Gas	0...500 °C	1 °C	± 2 °C / 1,5 % of measured value*	✓
T-Air	0...99 °C	0,1 °C	± 1 °C	✓
Pressure ΔP	± 100 hPa	0,01 hPa	± 0,5 hPa / 1 % of measured value*	✓
Calculation values		Range		
CO ₂		0...CO _{2 max}		✓
Combustion efficiency (ETA)		0...120 %		✓
Excess air(Lambda)		>1		✓
Losses qA		0...100 %		✓
CO _(u) undiluted		x ppm		✓
Dew point		x° C		✓
mg/m³		x mg/m³		✓
mg/kWh		x mg/kWh		✓
O ₂ reference		x % O ₂		✓

Equipment

Gas sampling	
Unheated probe 220 mm, Ø 8 mm with fixation cone	✓
3-chamber sampling tubing 2,2 m	✓
Measured gas preparation	
Electronic condensate monitoring	✓
Combustion air temperature measurement	
T-room sensor with 3 m cable and fixation cone	✓
Operation safety	
Pressure equalizing gas duct plate	✓
Temperature display for stream core search	✓
CO switch-off by concentration overload	✓
Fresh air purge by CO exceeding	✓
Fresh air purge after measuring operation	✓
Data processing	
Integrated high-speed thermal printer	✓
Internal memory for up to 300 measurements	✓
Wireless data interface (BLE) for connection with mobile devices	✓
Serial interface	✓
Data display / input	
LCD display, backlit, zoomable	✓
Backlit keyboard	✓
Transport	
Aluminium housing with magnets on the back, with carrying strap	✓
Proof of conformity / calibration	
EN 50379-2	✓
1. BlmSchV	✓
Certificate after climate chamber calibration	✓

As of 06/25, design and technical changes as well as possible printing errors are subject to change.



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Measurement Technology