

Initiation and Measurement

- Check fine dust filter
 - Change by grey tone > 3 of soot scale
 - Change by extension on mark "MAX"
- Connect sampling probe
- Press ON/OFF switch of the instrument
- Start gas measurement with <Enter>
- Select fuel type and confirm with <Enter>
- If necessary select storage location
- Wait for termination of calibration phase
- Position sampling probe in exhaust pipe
- Search for stream core
- Wait at least 2 minutes for stabilisation of measurement values
- Store values in intermediate memory while pressing <Record key>
- If necessary print measured values while pressing <Printer key> (IR printer required)
- If necessary store measurement in selected storage location (<Enter> / <Store to memory> / <Enter>)
- Remove sampling probe from exhaust pipe and let it cool down
- Press ON/OFF key of instrument to switch off

Technical Data

Parameter	Range	Principles
O ₂	0 ... 21 vol. %	electrochemical
CO	0 ... 4000 ppm	electrochemical
NO (Option)	0 ... 5000 ppm	electrochemical
CO ₂	0 ... CO _{2max}	calculated
T-G	0 ... 500 °C	NiCr-Ni
T-R	0 ... 100 °C	semiconductor
Pressure	0 ... +/- 100 hPa	DMS-bridge
Efficiency	0 ... 120 %	calculated
Losses	0 ... 99,9 %	calculated
Lambda	1 ... ∞	calculated
CO-undiluted (reference-O ₂ ; adjustable)		calculated
Dew point of combustion gases		calculated
Power Supply	110 - 230 V~ / 50 - 60 Hz;	
Battery	6 V / 3,3 Ah	
Display	graphic display, backlit	
Size (W x H x D)	250 mm x 180 mm x 80 mm	
Weight	approx. 2,1 kg (complete with sampling system)	
Application limits	+5 °C to +40 °C; max. 90 % RH, non-condensing	

Subject to technical changes!
06.2018

ecom GmbH
Am Großen Teich 2
D-58640 Iserlohn
Phone: +49 (0) 2371 - 945-5
Fax: +49 (0) 2371 - 40305
Internet: <http://www.ecom.de>
eMail: info@ecom.de

INTELLIGENT MESSEN!
MEASURE WITH INTELLIGENCE!

ecom®



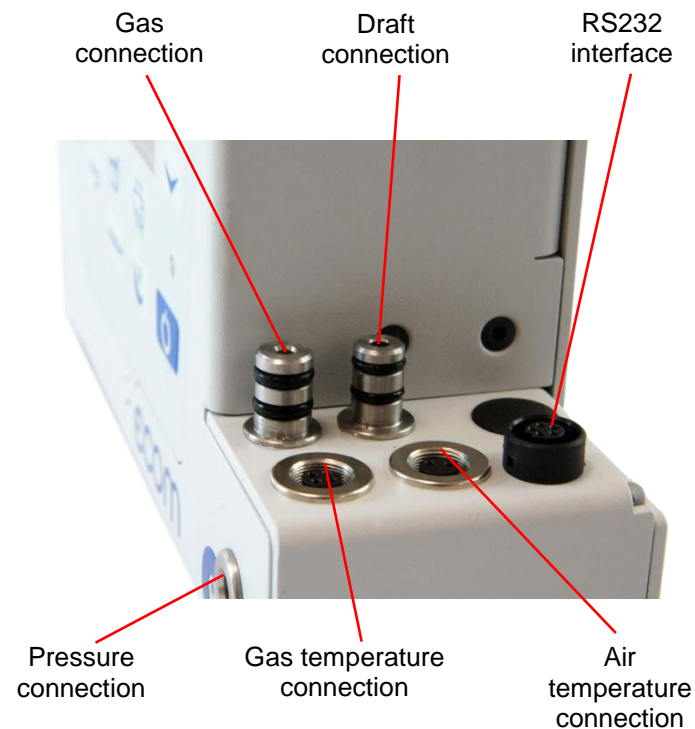
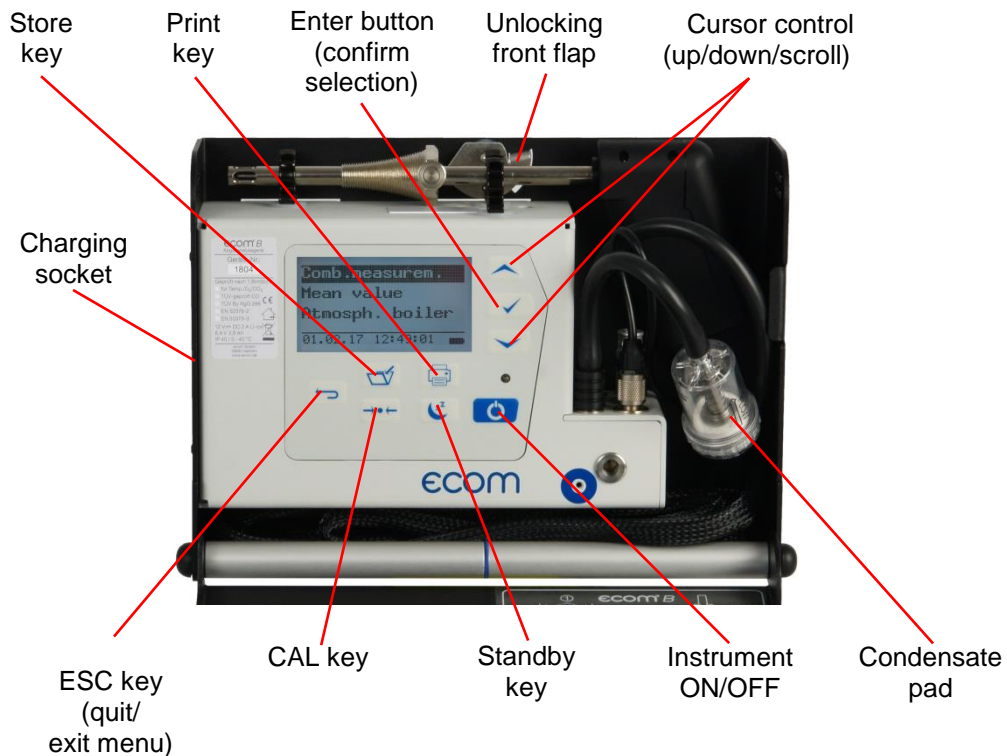
Quick guide

ecom® B



Consider operation instructions
under www.ecom.de/downloads
before start-up!

Instrument Design



Condensate pad

Regularly check the condition of the condensate pad. It should be changed:

- If it is soiled darker than no. 3 on the soot scale
- If its extension is on mark "MAX"

Replace the condensate pad as follows:

1. Remove hose from the cap and unscrew the cap
2. Unscrew the retaining bolt with spring
3. Replace old condensate pad against new
4. Screw on retain bolt with spring again
5. Screw on cap and replace the hose to the cap

