

Initiation and Measurement

- Check fine dust filter –
Change by grey tone > 3 of soot scale
- Connect sampling probe
- Press ON/OFF switch of basic module
- Press ON/OFF switch of control module
- Start gas measurement with <OK>
- If need be, select storage location
- Select fuel type and confirm with <OK>
- 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 <Disk symbol> or store values in intermediate memory & print them out with <F2>
- If need be, store measurement in selected storage location (<Print> / <Memory -> M> / <OK>)
- Remove sampling probe from exhaust pipe and let it cool down
- Press ON/OFF key of basic module to switch off
- Press ON/OFF key of control module to switch off

Technical Data

Parameter	Range	Principle
O ₂	0 ... 21 vol. %	Electrochemistry
CO	0 ... 2500 ppm	Electrochemistry
CO% (Option)	0,25 ... 6,3 vol.%	Electrochemistry
NO (Option)	0 ... 5000 ppm	Electrochemistry
NO ₂ (Option)	0 ... 1000 ppm	Electrochemistry
SO ₂ (Option)	0 ... 5000 ppm	Electrochemistry
H ₂ S (Option)	0 ... 500 ppm	Electrochemistry
H ₂ (Option)	0 ... 2000 ppm	Electrochemistry
C _x H _y (Option)	0 ... 4 vol.% (CH ₄)	Catalytic
C _x H _y (Option)	0 ... 2000 ppm (C ₃ H ₈)	Infrared
C _x H _y (Option)	0 ... 30000 ppm (CH ₄)	Infrared
CO% (Option)	0 ... 63000 ppm	Infrared
CO ₂ (Option)	0 ... 20 vol. %	Infrared
Air pressure	300 ... 1100 hPa	DMS bridge
CO ₂	0 ... CO ₂ max	Calculation
T-Gas	0 ... 500 °C	NiCr-Ni
T-Air	0 ... 99 °C	Semiconductor
Diff. pressure	0 ... +/- 100 hPa	DMS bridge
Efficiency	0 ... 120 %	Calculation
Losses	0 ... 99,9 %	Calculation
Excess air	1 ... ∞	Calculation
CO undiluted (adjustable ref. O ₂)		Calculation
Flue gas dew point		Calculation

Power supply	Mains power 230 V / 50 Hz~; battery 7,2 V / 11,6 Ah
Protocole printer	integral; 58mm paper width; printout individually labellable
Indication	graphic display; backlit
Dimensions (LxHxD)	510 mm x 330 mm x 250 mm
Weight	approx. 14 kg with standard sampling probe
Application limits	+5 °C to +40 °C; max. 90 % RH, non-condensing

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Subject to
technical
changes!
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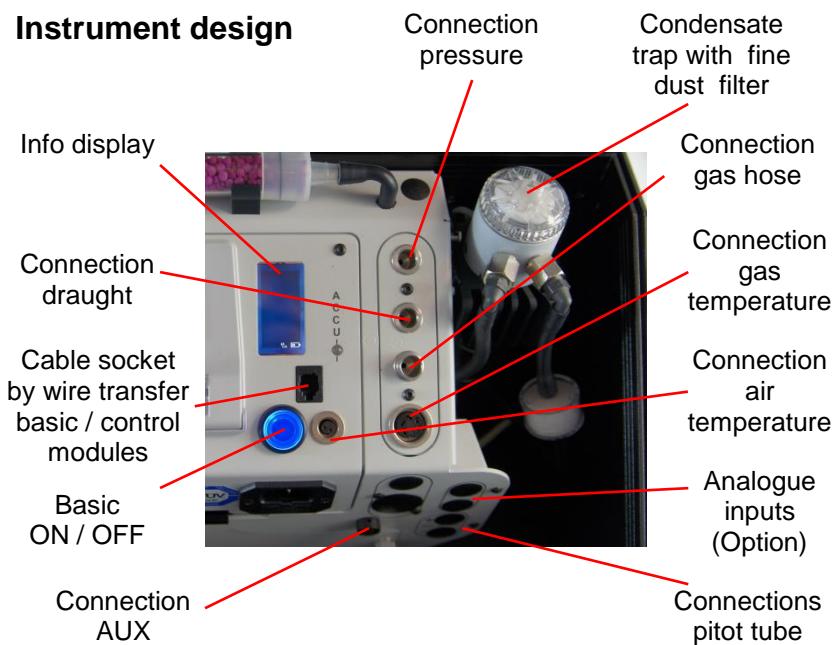
Quick guide

ecom® J2KN^{pro}



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

Instrument design



Connection air temperature Slot for Multi-Media-Card



Measurement values recording

Cursor keys
(Up/Down/Right/
Left/Scroll)

ESC key
(quit/
escape menu)

Switch ON/OFF
control module

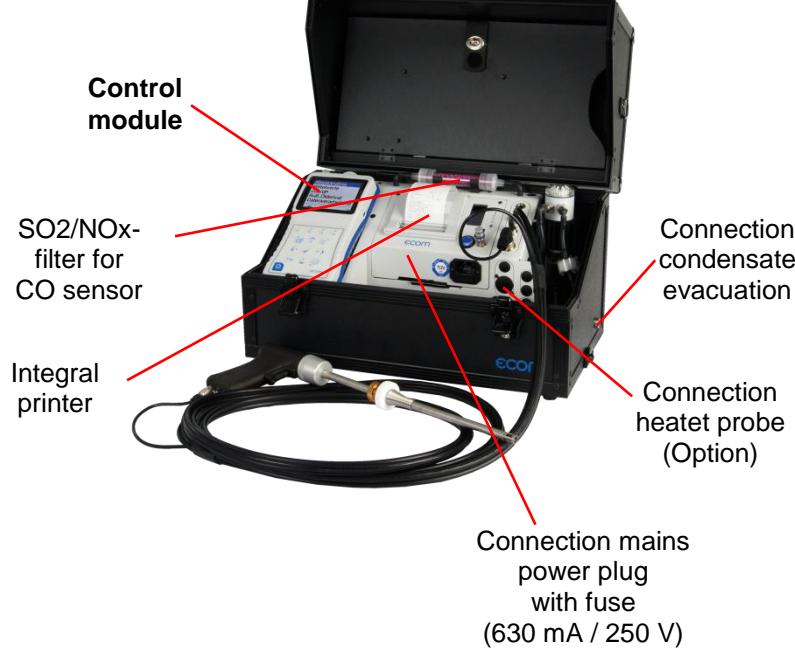
Function keys
(function shown on display)

Display backlit
ON/OFF

OK key
(confirm
selection)

Print key
(access to
printing menu)

**In the input mode,
the keys are used
for numerical
inputs**



Gas pump is running

Air valve is open

CO purging is running

Gas cooler ready for use

Heated hose ready for use

Probe heating is switched on

Heated head ready for use

Calibration phase is running

Info display

