

ecom-CN The One Your Hand has been waiting for.

Handy and compact. Thanks to its optimal fit flue gas analysis is uncomplicated and efficient. A great instrument equipment and a comprehensive range of accessoires makes it THE ecom palm analyser.

Ti **Techingenium**

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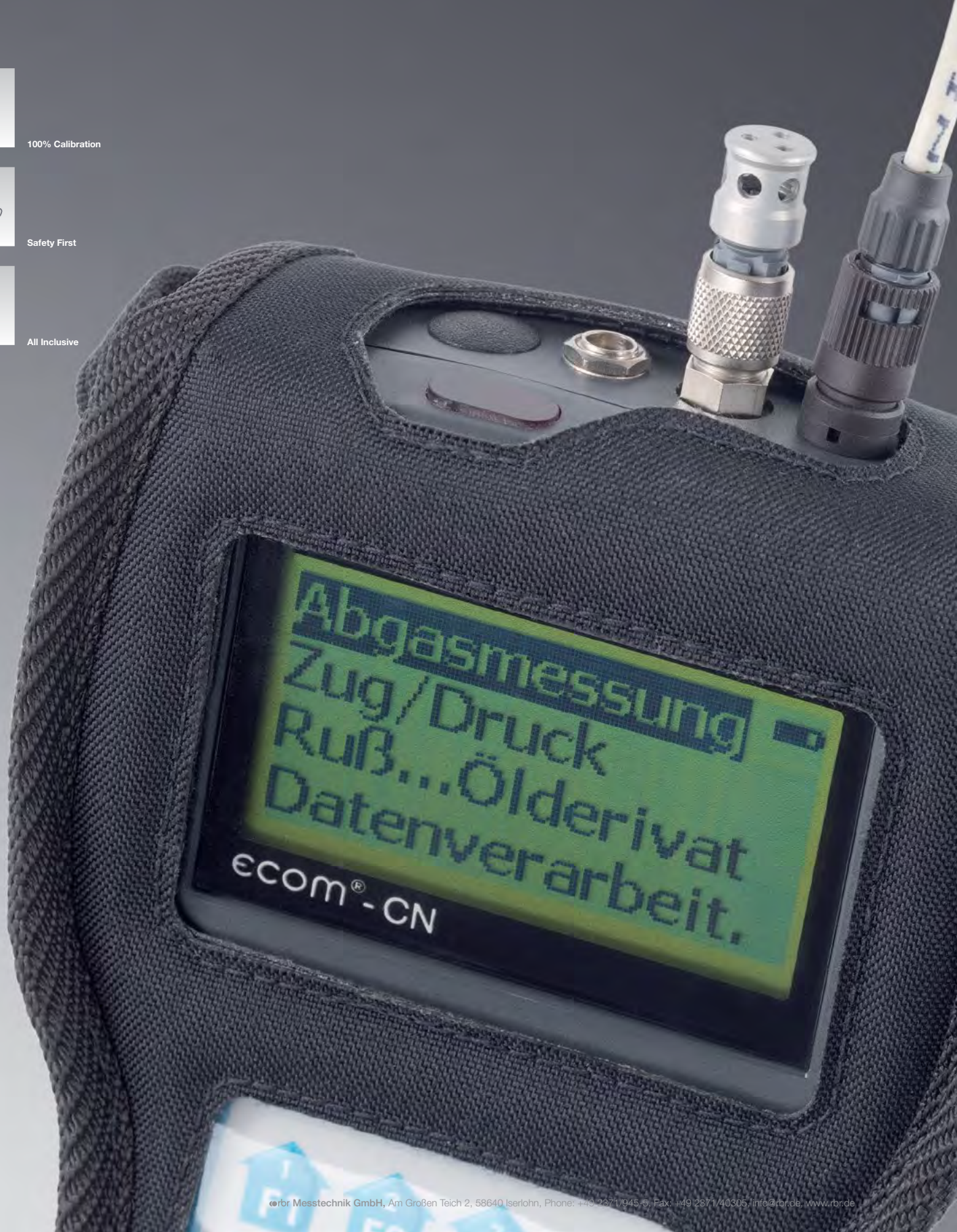
100% Calibration



Safety First



All Inclusive



ecom-CN

Product Features

- Up to 3 gas sensors
- ± 20 hPa differential pressure measurement (option)
- IR interface for ecom-P (option) thermal printer
- Soot measurement via soot pump (option)
- Backlit display
- Electronic condensate monitoring (position-independent)
- 3-chamber tubing, coaxial sampling probe
- T-Room sensor with magnet for easy fixation on metal surfaces
- Emission, temperature and draught measurement without plug connection change
- Internal memory for 4000 measurements
- Bluetooth interface (option)
- ecom PC software
- Comprehensive accessory program

Measured values

- O₂ (0-21%)
 - CO (0-4000 ppm), Longlife sensor
 - Gas temperature (0-500°C)
 - Air temperature (0-99°C)
 - Pressure (± 20 hPa)
- Options:
- NO measurement (0-5000 ppm)
 - CO extended range (0-10.000 ppm)
 - CO% (0-63.000 ppm)
 - Differential pressure (± 20 hPa)

Calculated Values

CO₂, CO_(undiluted), NO_x, losses, efficiency (0-120%), dew point, mg/kWh, mg/m³, adjustable O₂ ref.

Display

- LC display, 128 x 64 mm, max. 8 lines
- Graphic-capable
- Backlit for optimal reading also in the dark

Sampling Probe

- Coaxial probe 220 mm
- 3-chamber tubing 2.2 m
- Fixation cone with teflon protective part

Measurement Gas Preparation

- Electronic-monitored condensate trap with exchangeable moisture-absorbing pad
- Soot filter for enhanced particle capture

Operation Safety Features

- Temperature trend indication for core stream search
- CO switch off without measurement interruption by exceeding of preset limit value
- Automatic fresh air purging by CO exceeding
- Automatic fresh air purging after measurement
- Optical condensate monitoring

Data Processing

- Internal memory for 4000 measurements
- IRDA interface for external printer
- Bluetooth interface (option)
- Data exchange with ecom PC software

Power Supply

- Battery/Mains power
- Including external charger with cable

Transport

- Textile protection pouch with carrying strap and magnet fixation (option)
- Deluxe aluminium-framed transport case (option)
- Plastics transport case (option)

Dimensions / Weight

- Approx. 115 x 250 x 70 mm (L x H x W)
- Approx. 1.5 kg (complete)



EN 50379-2 and 1. BImSchV approved



Item-Nr.	Description
1100002	ecom-CN, flue gas analyser with O₂ and CO (H ₂ -compensated) sensors Complete with sampling probe 220 mm incl. thermocouple, with fixation cone, 3-chamber tubing (2.2 m), T-Room sensor with cable and fixing cone, automatic CO switch off and fresh air purge, electronic and position-independent condensate monitoring, consumables kit, operation manual on USB drive, calibration certificate –issued after 100% calibration into calibration chamber. PC software for data management downloadable free of charge from www.rbr.de
1100013	ecom-CN, flue gas analyser with O₂, CO (H ₂ -compensated) and NO (at choice with our without NO _x calculation) Complete with sampling probe 220 mm incl. thermocouple, with fixation cone, 3-chamber tubing (2.2 m), T-Room sensor with cable and fixing cone, automatic CO switch off and fresh air purge, electronic and position-independent condensate monitoring, consumables kit, operation manual on USB drive, calibration certificate –issued after 100% calibration in calibration chamber. PC software for data management downloadable free of charge from www.rbr.de
1100007	ecom-CN, flue gas analyser with O₂, CO (H ₂ -compensated) and differential pressure ± 20 hPa Complete with sampling probe 220 mm incl. thermocouple, with fixation cone, 3-chamber tubing (2.2 m), T-Room sensor with cable and fixing cone, automatic CO switch off and fresh air purge, electronic and position-independent condensate monitoring, consumables kit, operation manual on USB drive, calibration certificate –issued after 100% calibration into calibration chamber. PC software for data management downloadable free of charge from www.rbr.de
101019	Bluetooth option – for transfer/recording of measurement values and remote monitor of ecom-CN
3140030	ecom-P - infrared printer for documentation of measured values (incl. printer paper roll and one-way batteries)
31000043	Data cable -> PC (RS 232)
51521	Adapter cable USB / RS 232 (requires 3100043)
50538	Soot pump set - Consisting of soot pump, soot comparison scale, tube of piston grease, socket wrench and 200 soot papers
60089	Transport case Deluxe - Aluminium-framed transport case , with shock protective corners, storages for instrument, T-Room sensor, external printer, probe, sampling tubing, batteries. Further storage for e.g. manual soot pump in case cover. Dimensions: approx. 49 x 36 x 19 cm (WxDxH)
60124	Transport case plastics – storage compartments for instrument, T-Room sensor, external printer, probe, sampling tubing, tubing, manual smoke pump, batteries. Further storage spaces in cover... Dimensions: approx. 53 x 42 x 12 cm (W x D x H)
52000	Textile carrying pouch with magnet fixation - with shoulder carrying strap, protection foil for display and keypad, fixation loop with magnet for easy positioning on metal surface.
100222	T-Room stick - H 28 x ø 11 mm
10166	T-Room probe – Length 260 mm with 3 m cable
100965	Universal CO multi-hole probe – telescopic, 80–280 mm
100943	Universal O₂ multi-hole probe – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from ø 5 to 25 mm.



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ecom-CN with ecom-UNO



ecom-CN – Application in zero gravity