

## 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.



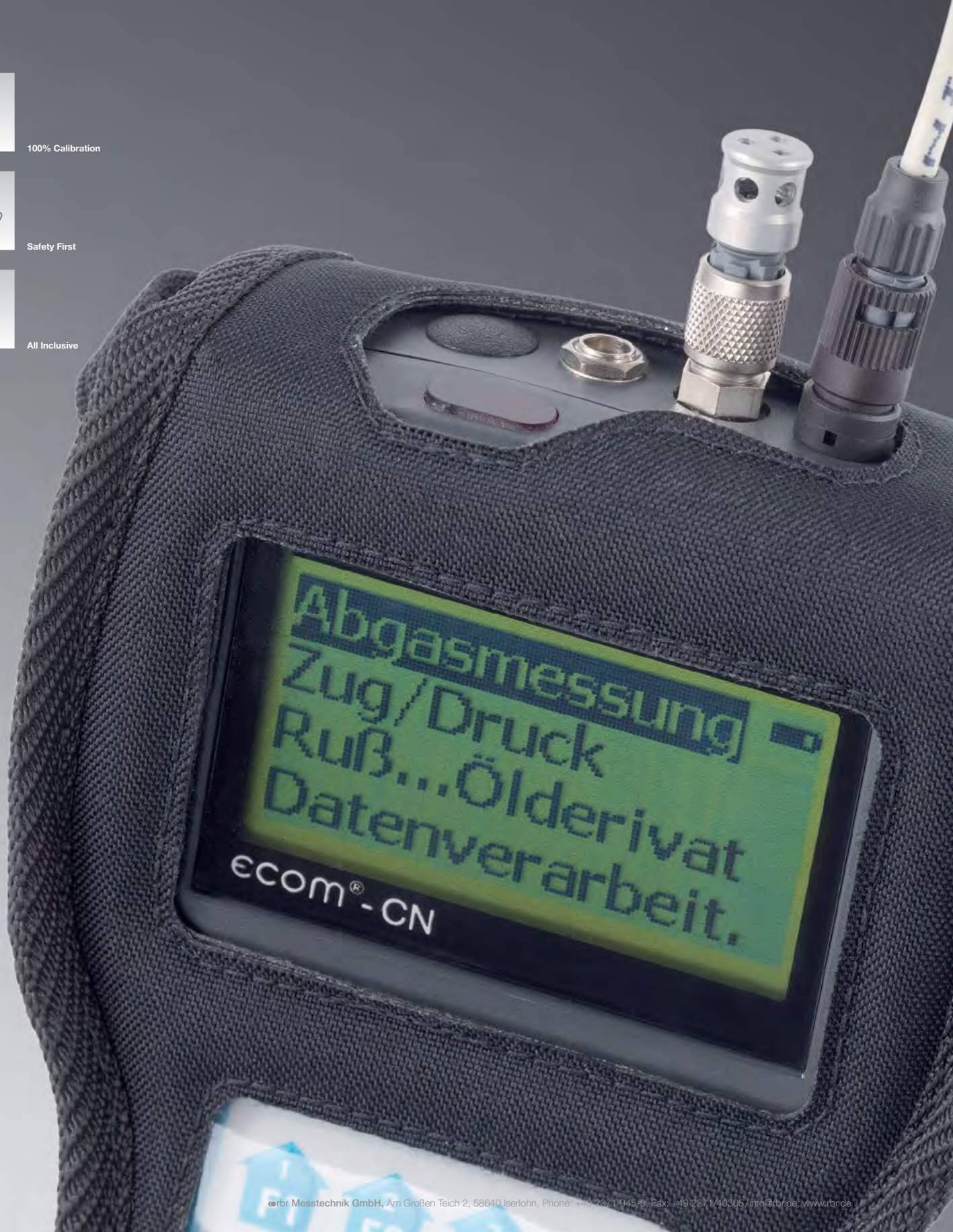
100% Calibration



Safety First



All Inclusive



## ecom-CN

### Product Features

- Up to 3 gas sensors
- $\pm 20$  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

- O<sub>2</sub> (0-21%)
  - CO (0-4000 ppm), Longlife sensor
  - Gas temperature (0-500°C)
  - Air temperature (0-99°C)
  - Pressure ( $\pm 20$  hPa)
- Options:
- NO measurement (0-5000 ppm)
  - CO extended range (0-10.000 ppm)
  - CO% (0-63.000 ppm)
  - Differential pressure ( $\pm 20$  hPa)

### Calculated Values

CO<sub>2</sub>, CO<sub>(undiluted)</sub>, NO<sub>x</sub>, losses, efficiency (0-120%), dew point, mg/kWh, mg/m<sup>3</sup>, adjustable O<sub>2</sub> 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	<b>ecom-CN, flue gas analyser with O<sub>2</sub> and CO</b> (H <sub>2</sub> -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 <a href="http://www.rbr.de">www.rbr.de</a>
1100013	<b>ecom-CN, flue gas analyser with O<sub>2</sub>, CO</b> (H <sub>2</sub> -compensated) <b>and NO</b> (at choice with our without NO <sub>x</sub> 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 <a href="http://www.rbr.de">www.rbr.de</a>
1100007	<b>ecom-CN, flue gas analyser with O<sub>2</sub>, CO</b> (H <sub>2</sub> -compensated) <b>and differential pressure</b> ± 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 <a href="http://www.rbr.de">www.rbr.de</a>
101019	<b>Bluetooth option</b> – for transfer/recording of measurement values and remote monitor of ecom-CN
3140030	<b>ecom-P</b> - infrared printer for documentation of measured values (incl. printer paper roll and one-way batteries)
31000043	<b>Data cable</b> -> PC (RS 232)
51521	<b>Adapter cable</b> USB / RS 232 (requires 3100043)
50538	<b>Soot pump set</b> - Consisting of soot pump, soot comparison scale, tube of piston grease, socket wrench and 200 soot papers
60089	<b>Transport case Deluxe</b> - 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	<b>Transport case plastics</b> – 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	<b>Textile carrying pouch with magnet fixation</b> - with shoulder carrying strap, protection foil for display and keypad, fixation loop with magnet for easy positioning on metal surface.
100222	<b>T-Room stick</b> - H 28 x ø 11 mm
10166	<b>T-Room probe</b> – Length 260 mm with 3 m cable
100965	<b>Universal CO multi-hole probe</b> – telescopic, 80–280 mm
100943	<b>Universal O<sub>2</sub> multi-hole probe</b> – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from ø 5 to 25 mm.



ecom-CN



ecom-CN with ecom-UNO



ecom-CN – Application in zero gravity