

ecom-B

Flue Gas Analysis in Miniature Size.



100% Calibration



Safety First



All Inclusive



Shock Proof



ecom-B

Compact, robust, light-weighted

Product Features

- Up to 3 gas sensors (Longlife)
- ± 100 hPa differential pressure measurement (option)
- IR interface for ecom-P thermal printer (option)
- Soot measurement via soot pump (option)
- Backlit display
- Optical condensate monitoring
- 3-chamber tubing, coaxial sampling probe and T-Room sensor
- Emission, temperature and draught measurement without plug connection change
- Internal memory for 300 measurements
- ecom PC software
- Comprehensive accessory program

Measured values

- O₂ (0-21%)
- CO (0-4000 ppm)
- Gas temperature (0-500°C)
- Air temperature (0-99°C)
- Pressure (± 100 hPa)

Options:

- Differential pressure (± 100 hPa)
- CO extended range (0-10.000 ppm)
- NO measurement (0-5000 ppm)



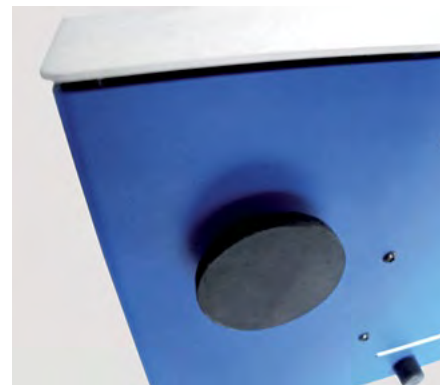
look at page 2



High-value aluminium housing



Shoulder carrying strap and bag (accessoires)



Powerful magnets for positioning on metal surfaces

Calculated Values

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

Display

- LC display, 70 x 40 mm, max. 8 lines
- Graphic-capable
- Backlit for easy reading also in the dark

Sampling Probe

- Coaxial probe 150 mm
- 3-chamber tubing 1.5 m
- Fixation cone

Measurement Gas Preparation

- Condensate trap with exchangeable moisture-absorbing pad

Operation Safety Features

- Temperature trend indication for core stream search
- CO switch off without measurement interruption by exceeding of pre-set limit value
- Automatic fresh air purging by CO exceeding
- Automatic fresh air purging after measurement
- Optical condensate monitoring
- Longlife sensors
- Integral battery with extended lifespan

Data Processing

- Internal memory for 300 measurements
- Integral sending diode for external IR printer
- Bluetooth interface (option)
- Data exchange with ecom PC software

Power Supply

- Battery/Mains power
- Including charger

Dimensions / Weight

- Approx. 250 x 180 x 80 mm (L x H x W)
- Approx. 2.1 kg (complete)



EN 50379-2 and 1st BimSchV approved

ecom-B Flue Gas Analysis in Miniature Size

Item-Nr.	Description
102802	ecom-B , flue gas analyser with O ₂ and CO -H ₂ -compensated- sensors (both Longlife sensors) Complete with battery, fitted in aluminium housing with fixing magnets on the back, sampling probe 150 mm with fixation cone, 3-chamber tubing (1.5 m), T-Room sensor with cable and fixation cone, 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
102819	NO measurement (0-5000 ppm) . At choice with or without NO _x calculation.
3140300	ecom-P - infrared printer for documentation of measured values (incl. printer paper roll and one-way batteries)
102884	Tubing for differential pressure measurement (1.5 m)
102888	T-Room stick - PT 2000- H 28 x ø 11 mm
10166	T-Room probe – Length 260 mm with 3 m cable
102852	Shoulder carrying strap – black, length-adjustable
102851	Textile carrying pouch - black, with storage compartment for consumables, with zipper, approx. 24.5 x 30 x 8 cm. Instrument fitted in pouch can be positioned on metal surfaces
102883	Shoulder carrying strap + textile carrying pouch set - as above described (at attractive set price)
50538	Soot pump set - Consisting of soot pump, soot comparison scale, tube of piston grease, socket wrench and 200 soot papers
102776	Condensate pads – pack of 5 pieces
31000043	Data cable -> PC (RS 232)
51521	Adapter cable USB / RS 232 (requires 31000043)
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.



[See video on rbr-website](#)