

ecom-EN2-R

All-rounder with Soot Measurement Feature

Product Features

- Up to 4 gas sensors (Longlife)
- ± 100 hPa differential pressure measurement
- Integral thermal quick-printer
- Backlit display
- Electronic condensate monitoring
- Professional gas preparation by mini Peltier cooler equipment with automatic condensation evacuation (option)
- 3-chamber tubing, coaxial sampling probe
- Special tubing with Teflon sleeve e.g. for NO, and SO, measurements (option)
- T-Room sensor with magnet for easy fixation on metal surfaces
- Emission, temperature and draught measurement without plug connection change
- Integral module for data storage on MM card (card optional)
- Wireless Bluetooth or Wi-Fi data transfer module (option)
- ecom PC software free of charge
- 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)
- Differential pressure (± 100 hPa)

Options:

- CO extended range (0-10.000 ppm)
- CO% measurement (0-63.000 ppm)
- NO measurement (0-5000 ppm)
- NO₂ measurement (0-1000 ppm)
- SO_2 measurement (0-5000 ppm)
- Differential temperature

Calculated Values

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

Display

- LC display, 79 x 53 mm, 240 x 160 dots
- Graphic-capable
- Backlit for optimal reading also in the dark

Sampling Probe

- Coaxial probe 250 mm with electric heating for dry soot samples
- 3-chamber tubing 3 m
- Fixation cone with teflon heat-protective part

Measurement Gas Preparation

- Quick gas transport (measurement values available promptly)
- Condensate trap with fine dust filter
- Electronic level monitoring
- Electric Peltier cooler with automatic condensate evacuation (option)

Printer

- Thermal quick-printer 58 mm
- Matrix printer (option)





NEW: Wireless data transfer via WiFi

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
- Integral flow meter for optical control of pump performance
- Electronic condensate monitoring
- Longlife sensors

Data Processing

- Remote data view & saving/printer start via ecom-R (option)
- Data logging function
- Data storage on optional MM card (card optional)
- Bluetooth or Wi-Fi interface at choice (option)
- Storage and illustration of disturbance diagnosis data provided via cable connection by ecom-AK read-out head
- Data exchange with ecom PC software

Power Supply

- Battery/Mains power
- Including charger

Connections

- Multifunctional interface
- USB inteface for data transfer



NEW: ecom-R remote monitor with data storing / printing capabilities by distance

Transport

- Aluminium-framed transport case with length-adjustable shoulder carrying strap
- Under-case for extra storage (option)

Dimensions / Weight

- Approx. 400 x 275 x 205 mm (L x H x W)
- Approx. 7 kg (complete)

For the perfect measurement of NO_X, SO₂ and other water-soluble gases:

- 100% calibration (climatic chamber))
- lotus effect (special PTFE tubing for gas transport)
- super efficiency (quick gas conveyance throught performing pump)
- dry cooling (perfect gas preparation via mini Peltier cooler)





ecom-EN2-R All-rounder with Soot Measurement Feature.

Effect on purintium-framed transport cases, compete with sampling probe 220 mm incl. thermocouple with Sandro cand, 3-drawhord bulary (3m), T-Room samps with cable and Carby can with magnificant, independent quick-printer, power supply sharper, automated on which off and fresh air purps (without measurement interruption) electronic condensate monitoring, consumables lict, cereation manual on USB (4m), calibration of calibration chamber-PC actinives to cata management downlos able free of charge from www.tbr.de 101336	Item no.	Description
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MM card, 2 GB - pre-formatted for use with ecom analysers		batteries 1.5 V AA Mignon, incl. protection pouch. Dim.: approx. $145 \times 80 \times 45$ (W x H x D).
56632 Data cable, USB – for connection analyser to PC 100946 Set MM card + data cable USB (at price-attractive rate) 100745 Bluetooth module, for wireless data transfer to PC 103448 Wi-Fi module, for wireless data transfer to PC resp. mobile end units – more info on www.rbr.de 101769 8-channel analogue output box for external logging/recording units (V / mA), incl. mains power pack, cable to analyser, RS 232 cable and software (download from www.rbr.de)) 10166 T-Room probe – Length 260 mm with 3 m cable 12019 Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal CO multi-hole probe – telescopic (80-280 mm) 100943 Universal CO multi-hole probe – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from e 5 to 25 mm. 30000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: -0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included)		Also upgradeable on existing analysers.
100946 Set MM card + data cable USB (at price-attractive rate) 100745 Bluetooth module, for wireless data transfer to PC 103448 Wi-Fi module, for wireless data transfer to PC resp. mobile end units – more info on www.rbr.de 101769 B-channel analogue output box for external logging/recording units (V / mA), incl. mains power pack, cable to analyser, RS 232 cable and software (download from www.rbr.de)) 10166 T-Room probe – Length 260 mm with 3 m cable 12019 Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ±1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (NI/CrNI), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ±1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal CO multi-hole probe – telescopic, 80–280 mm 100943 Universal Co multi-hole probe – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from o 5 to 25 mm. 10000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec; accuracy: ±0.2 m/s or ±1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 100930 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ±2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone 100930 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ±2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-solled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Petiter cooler compulsory; non-suitable for NOx resp. SO, measurement) 100813 Min filtering plate for ecom-EN2-R consisting of water	102469	MM card, 2 GB - pre-formatted for use with ecom analysers
Bluetooth module, for wireless data transfer to PC	56532	Data cable, USB – for connection analyser to PC
103448 Wi-Fi module, for wireless data transfer to PC resp. mobile end units – more info on www.rbr.de 101769 8-channel analogue output box for external logging/recording units (V / mA), incl. mains power pack, cable to analyser, RS 232 cable and software (download from www.rbr.de) 10166 T-Room probe – Length 260 mm with 3 m cable 12019 Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal CO multi-hole probe – telescopic, 80–280 mm 100943 Universal O2 multi-hole probe – telescopic (80–280 mm) 100943 Universal O2 multi-hole probe – telescopic (80–280 mm) 100940 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 100940 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (With tubing/cable approx. 2.5 m and fixation cone 100930 Dynamic pressure measurement probe, length 1000 mm – Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (With tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-solled gas, gas surface widening thru bubble formation and dillution of sensor-damaging organic compounds (mini Petiter cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, large silica beads cartridge and activated carbon cartridge. Calts hooked at instrument case (item can be	100946	Set MM card + data cable USB (at price-attractive rate)
8-channel analogue output box for external logging/recording units (V / mA), incl. mains power pack, cable to analyser, RS 232 cable and software (download from www.rbr.de)) 10166 T-Room probe - Length 260 mm with 3 m cable 12019 Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNI), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal Co multi-hole probe – telescopic, 80–280 mm 100943 Universal O ₂ multi-hole probe – telescopic, 80–280 mm 3000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone 100830 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-solled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO, measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100745	Bluetooth module, for wireless data transfer to PC
cable and software (download from www.rbr.de)) 10166 T-Room probe – Length 260 mm with 3 m cable 12019 Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal CO multi-hole probe – telescopic, 80–280 mm 100943 Universal Og multi-hole probe – telescopic, 80–280 mm 100943 Universal Og multi-hole probe – telescopic (80–280 mm) with three easily exchangeable sealing plugs for measurement openings from ø 5 to 25 mm. 30000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final valu With tubing/cable approx. 2.5 m and fixation cone 100830 Dynamic pressure measurement probe, length 1000 mm – Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final valu With tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-solled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Silica beads cartridge, large activated carbon cartridge.	103448	Wi-Fi module, for wireless data transfer to PC resp. mobile end units - more info on www.rbr.de
10166 T-Room probe - Length 260 mm with 3 m cable Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal CO multi-hole probe - telescopic, 80-280 mm 100943 Universal Q, multi-hole probe - telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from ø 5 to 25 mm. 30000460 Car charger cable - for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. 100930 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-solled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Petiter cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.	101769	8-channel analogue output box for external logging/recording units (V / mA), incl. mains power pack, cable to analyser, RS 232
Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 12021 Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 100965 Universal O2 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. 30000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone 100930 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, sliica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.		cable and software (download from www.rbr.de))
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Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C; resolution: 0,1°C measurement uncertainty: ±1°C; pipe diameter up to: 100 mm; cable length: 3 m 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. 30000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ±0.2 m/s or ±1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ±2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone 100930 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ±2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.	12019	Contact sensor, room temperature (PT 2000), for differential temperature measurement. Range: -20 to 100°C;
resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m 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. 30000460 Car charger cable – for instrument charging via cigarette lighter 100920 Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) 30004115 Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone 100930 Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.		resolution: 0,1°C measurement uncertainty: ± 1°C; pipe diameter up to: 100 mm; cable length: 3 m
Universal CO multi-hole probe – telescopic, 80–280 mm Universal O₂ multi-hole probe – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from o 5 to 25 mm. Car charger cable – for instrument charging via cigarette lighter Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone) Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone) Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (with tubing/cable approx. 2.5 m and fixation cone) Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue (bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.	12021	Contact sensor, gas temperature (Ni/CrNi), for differential temperature measurement. Range: -20 to 100°C;
Universal O ₂ multi-hole probe – telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement openings from ø 5 to 25 mm. Car charger cable – for instrument charging via cigarette lighter Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (With tubing/cable approx. 2.5 m and fixation cone Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (With tubing/cable approx. 2.5 m and fixation cone. Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value (With tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses.		resolution: 0,1°C measurement uncertainty: ±1°C; pipe diameter up to: 100 mm; cable length: 3 m
openings from ø 5 to 25 mm. 30000460	100965	Universal CO multi-hole probe – telescopic, 80–280 mm
Car charger cable – for instrument charging via cigarette lighter Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100943	Universal O, multi-hole probe - telescopic (80-280 mm) with three easily exchangeable sealing plugs for measurement
Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s Data valid only by use of Prandl / Pitot tube (not included) Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.		openings from ø 5 to 25 mm.
Data valid only by use of Prandl / Pitot tube (not included) Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	30000460	Car charger cable – for instrument charging via cigarette lighter
Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value with tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thrue bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100920	Dynamic pressure measurement - Range: 0-50 m / sec.; accuracy: ± 0.2 m/s or ± 1% of measurement value; resolution: 0.1 m/s
With tubing/cable approx. 2.5 m and fixation cone Dynamic pressure measurement probe, length 1000 mm – Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final variable. With tubing/cable approx. 2.5 m and fixation cone. Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large activated carbon cartridge.		Data valid only by use of Prandl / Pitot tube (not included)
Dynamic pressure measurement probe, length 1000 mm – Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final value With tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. 20011620 Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	30004115	Dynamic pressure measurement probe, length 250 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final values
With tubing/cable approx. 2.5 m and fixation cone. 100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) 100813 Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. 20011620 Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.		With tubing/cable approx. 2.5 m and fixation cone
100814 Gas washing bottle for solid combustibles measurement - For pre-filtering of the dust-soiled gas, gas surface widening thru bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100930	Dynamic pressure measurement probe, length 1000 mm - Range: up to 3 m / sec; accuracy: ± 2.5% of measuring range final va
bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.		With tubing/cable approx. 2.5 m and fixation cone.
bubble formation and dilution of sensor-damaging organic compounds (mini Peltier cooler compulsory; non-suitable for NOx resp. SO ₂ measurement) Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100814	
SO ₂ measurement) 100813		
Mini filtering plate for ecom-EN2-R consisting of water trap, filtering wool cartridge, silica beads cartridge and activated carbon cartridge. Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.		
ridge.Gets hooked at instrument case (item can be stowed in under-case). Incl. connection hoses. 20011620 Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	100813	
20011620 Filtering case consisting of water trap, large filtering wool cartridge, large silica beads cartridge, large activated carbon cartridge.	.00010	
	20011620	·
	20011020	Incl. connection hoses.

Further tubing resp. probe lengths as well as flexible probe tips are additional items in the delivery program. Further specifications/features also available on request.

perfect NO_x + SO₂