REMS EM200plus-E

Professional measurement of
undiluted exhaust gases from diesel engines
in underground mining.

REMS
for Professionals



Made in Germany

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REMS GmbH & Co KG · Manufacturer of Machines and Tools · Stuttgarter Strasse 83 · 71332 Waiblingen · Germany · Phone +49 7151 1707-0 · info@rems.de

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- Compact, robust electronic diesel exhaust gas measuring instrument with integrated diaphragm pump for diesel exhaust gas sampling
- Designed for professional exhaust gas measurement of diesel-powered engines in underground mining – under typical operating conditions: Idle, High Idle, Load



- High-precision measurements under different ambient pressure conditions: internal absolute pressure sensor enables immediate use of the instrument without prior calibration
- Exact determination of the CO, NO and NO_2 content in undiluted diesel exhaust gases
- Ultra sturdy, impact-resistant plastic housing with soft grip and ergonomically shaped handle
- Input and control unit with 3.5" colour display with touch function and modern TFT LCD technology
- User-friendly menu guidance takes you step by step through the testing process
- Results of the measuring and test programs are saved with date, time and log number and can be printed and stored for documentation

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REMS EM200plus-E Basic-Pack
Electronic diesel exhaust gas measuring instrument with internal gas sensors CO, NO and NO_2. Gas conditioning cartridge. Shoulder strap. Universal power supply unit / charger 100 – 240 V, interchangeable plugs CE, A, I1, G1, cable Mini-USB to USB-A. In L-Boxx system case.
Art. No. 610073 R220



REMS EM200plus-E Set
Electronic diesel exhaust gas measuring instrument with internal gas sensors CO, NO and NO_2. Gas conditioning cartridge. Shoulder strap. Vehicle exhaust gas probe. Sampling hose, OD 10 mm, ID 4 mm, 5 m long. 20 filter fleece pads, 10 filter discs, universal power supply unit / charger 100 – 240 V, interchangeable plugs CE, A, I1, G1, cable Mini-USB to USB-A. In L-Boxx system case.
Art. No. 610078 R220

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Technical Data	
Display	3.5" colour display with touch function
Interface	Connected functionality via USB, IR interface for connecting a printer
Operating temperature	–5° C to +40° C
Storage temperature	–20° C to +50° C
Battery	NiMH, 4.8 V 2.0 Ah, charging state indicator
Operating time	for approx. 10 hours continuous operation with one battery charge
Gas sampling	Diaphragm pump for sample gas extraction
Gas conditioning	Integrated gas conditioning cartridge with particle filter and condensate trap
Weight	1.1 kg
Dimensions	195 × 165 × 75 mm (H × W × D)



Display	Measuring principle	Measuring range	Resolution	Accuracy
CO, carbon monoxide	Electrochemical sensor	0 to 8,000 ppm	1 ppm	0 to 4,000 ppm: < ± 20 ppm or < ± 5 % of MV [1)] 4,001 to 8,000 ppm: < ± 10 % of MV [1)]
NO, nitric oxide	Electrochemical sensor	0 to 2,000 ppm	1 ppm	± 5 ppm or < ± 5 % of MV [1)]
NO_2, nitrogen dioxide	Electrochemical sensor	0 to 200 ppm	1 ppm	± 5 ppm or < ± 5 % of MV [1)]
NOx, oxides of nitrogen	calculated	0 to 2,200 ppm	1 ppm	
Absolute pressure	piezo-resistive	800 to 1,700 hPa	1 hPa	

[1)] MV = measured value

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Accessories	Art. No.
Vehicle exhaust gas probe EM200plus-E, with flexible probe tube, Ø 14 mm, 340 mm long, knurled screw for toolless fastening, connection for sampling hose, OD 10 mm, ID 4 mm	610187 R
Sampling hose, OD 10 mm, ID 4 mm, 1 m long	610186 R1M
Sampling hose, OD 10 mm, ID 4 mm, 5 m long	610186 R5M
Sampling hose, OD 10 mm, ID 4 mm, 10 m long	610186 R10M
Sampling hose, OD 10 mm, ID 4 mm, 25 m long	610186 R25M
Filter set EM200plus-E, 20 filter fleece pads EM200plus, 10 filter discs EM200plus	610180 R
Universal power supply unit/charger 100 – 240 V, interchangeable plugs CE, A, I1, G1	611130 R220
REMS BTLE IR, printer for printing the analysis, measurement and test results as a report, with Bluetooth and IR interface, 1 paper roll, 4 batteries 1.5 V, AA, LR6	611100 R
Paper roll BTLE IR, pack of 5	611137 R
Cable Mini-USB to USB-A	611216 R
L-Boxx system case with inlay	610906 R



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More info on our website