

EMISSION MEASUREMENT TECHNOLOGY EMISSION TESTER

MET 6.1
VP 135117



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The MET 6.1 exhaust gas analyser is designed for the measurement of petrol-, CNG- and LPG-powered vehicles as well as the precise analysis of the gas components HC, CO, CO₂, O₂ with lambda value calculation. The MET 6.1 stands out for its innovative condensate separation thanks to an active water separator. In addition, low weight, compact design and short warm-up time ensure easy handling.

PRODUCT DETAILS/ACCESSORIES

- Emission tester stands out due to limited weight and compact design
- Short warm-up time, quick measurement readiness
- Accurate analysis of gas components HC, CO, CO₂, O₂ with lambda value calculation
- Intuitive operation, clear structure in emissions testing process as set out in current guidelines 5 enable minimum cycle times
- Varied and simple network connection options LAN / WLAN (optional)
- The MAHA VCI makes EOBD analysis easy
- Innovative method for separation of condensed water thanks to active water separator
- MID type approval
- Emission testing of CNG, LPG and petrol engines possible
- Options:
 - W-LAN interface

Scope of delivery:

- Basic device (gas analyser) in high-quality synthetic casing with integrated display unit and keypad
- Steel mesh emission probe, 600 mm, probe tubing 8 m
- LAN interface with LAN cable
- Power supply unit 110V - 230V, 50/60Hz
- Transparent drain hose for condensed water with collecting tank
- Main filter, zero filter and condensate filter
- Electrochemical O₂ sensor
- Trigger tongs for MET 6.1 and 6.3 for inductive RPM measurement at ignition cables
- 2 replacement filters, 2 replacement seals
- Measurement software for continuous measurement without country-specific test procedure

TECHNICAL DATA

Measurement principle:	
infrared spectrometry	HC, CO, CO ₂
Measurable gases	HC, CO, CO ₂ , O ₂
Electrochemical detection	O ₂
Flow rate	3.5 l/min
Operating conditions:	
Temperature	0°C to 45°C
Height	-100 m to +3000 m
Power supply	110-230V 50/60 Hz
On-board voltage connection	10-30 V, DC
Accuracy class	0 (OIML)
Dimensions (L x W x H)	406 x 225 x 160 mm
Weight	approx. 4.6 kg

Measurement range / measured value resolution (max.):

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TECHNICAL DATA

CO	0-15 % Vol. / 0.01
CO2	0-20 % Vol. / 0.01
HC	0-9999 ppm / 0.1
O2	0-25 % Vol. / 0.01
Lambda (calculated)	0.5-9.99 / 0.01

ACCESSORIES

VZ 911353 PC/Test Lane Module for MET 6.1 for Germany

Display via PC Screen

- VZ 910177 Industrial PC Compact with Windows 10 -NET PRICE
- VZ 910052 PC Keyboard and Mouse -NET PRICE
- VZ 910200 PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-
- VZ 910091 A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
- VZ 910186 USB-WLAN adapte -NET PRICE
- VZ 910188 USB-Ethernet adapter -NET PRICE
- VZ 910189 W-LAN Router for PC Unit -NET PRICE
- VZ 990425 W-LAN Interface MET 6.x - PC

RECORDING OF RPM AND OIL TEMPERATURE

- VZ 990446 RPM - Vibration RPM Sensor MODEL: MGT 300 EVO
- VZ 990281 RPM Extension Cable (4 m) for Magnetic Sensor to be conn. to RPM VC 2/MGT 300 EVO
- VZ 990284 RPM Extension Cable 4 m for Battery to be connected to RPM VC 2/MGT 300 EVO
- VZ 990282 RPM Cable RPM VC 2/MGT 300 EVO Power Supply for Connection to 12/24 V On-Board Power Supply
- VZ 990283 RPM-Power Supply of RPM VC 2/ MGT 300 EVO to be connected to 230 V/50 Hz
- VZ 990439 RPM - Vibration RPM Sensor MODEL: AVL DITEST SPEED 2000
- VZ 910138 RPM Power Supply for AVL DISPEED (for 230 V/ 50 Hz Connection)
- VZ 990455 Y-Adapter for MET 6.x
- VZ 911205 RPM Extension Cable (5 m) for Combi Sensor Connection to AVL DITEST SPEED 2000
- VZ 911352 MAHA OBD Tool (Bluetooth) wireless OBD module for MET 6.x, MGT 5, MDO 2 LON
- VZ 911464

VZ 990395 Oil Temperature Sensor for Cars, length 100 - 1500 mm with 6 m cable

VZ 990494 IR Oil Temperature Gauge with Digital Display Model: IR-M+

EXHAUST PROBES

- VZ 980039 Exhaust Probe MET 6.x for Full-Power Testing on a Chassis Dyno max. 750°C
- VZ 980040 Exhaust Probe MET 6.x for Cars/Motorcycles

EQUIPMENT TROLLEYS

- VP 975479 Equipment Trolley
- VP 975667 Trolley for MET 6.x

ADDITIONAL ACCESSORIES

- VZ 911065 CD ROM with Software Target Data for AU I, AU II Emission Testing Proced. with OBD -NET-
- VZ 975232 Pressure Controller with Hose and 'Mini-Can' Calibration Bottle
- VZ 990396 Cable for Connection to 12/24 V Car Power Supply for MET 6.x
- VZ 994019 Mobility Kit for MET 6.x MAHA
- VZ 975533 Connecting Kit for Exhaust Inspection of Motorcycles via MGT 5, MET 6.1/6.3
- VZ 975536 Connecting Kit f. Exhaust Suction System when performing exhaust inspection of motorcy.
- VZ 990454 Telescopic rod for MET

SUPPLEMENTARY CHARGES

- VM 995768 Calibration acc. to DIN 17025 Vklb. 11/2018 for MET 6.1 -NET PRICE-
- VM 995778 Calibration acc. to MID for MET 6.1 -NET PRICE
- VM 996062 On-Site Assembly of One Emission Measuring Chamber and Short Instructions
- VT 998066 Transportkosten Abgasmesszelle
- VT 998067 Transportkosten separate PC-Einheit für Abgasmesszelle Diagnosesystem
- VT 998036 Transport charges MGT 5
- VT 998069 Transportkosten für Fahrwagen