

# EMISSION MEASUREMENT TECHNOLOGY EMISSION TESTER

**MET 6.1**  
VP 135117



## MET 6.1 VP 135117

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, CO<sub>2</sub>, O<sub>2</sub> 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, CO<sub>2</sub>, O<sub>2</sub> with lambda value calculation
- Intuitive operation, clearstructure 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 O<sub>2</sub> 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 <sub>2</sub>
Measurable gases	HC, CO, CO <sub>2</sub> , O <sub>2</sub>
Electrochemical detection	O <sub>2</sub>
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	VZ 911464	OBFCM data reading acc. to EU regulation 2021/392
VZ 910208	Industrial PC Compact with Windows 11 -NET PRICE	VZ 990395	Oil Temperature Sensor for Cars, length 100 - 1500 mm with 6 m cable
VZ 910052	PC Keyboard and Mouse -NET PRICE	VZ 980039	Exhaust Probe MET 6.x for Full-Power Testing on a Chassis Dyno max. 750°C
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-	VZ 980040	Exhaust Probe MET 6.x for Cars/Motorcycles
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-	VP 975479	Equipment Trolley
VZ 910186	USB-WLAN adapte -NET PRICE-	VP 975667	Trolley for MET 6.x
VZ 910188	USB-Ethernet adapter -NET PRICE	VZ 911065	Software Target Data for AU I, AU II Emission Testing Proced. with OBD, via Download
VZ 910189	W-LAN Router for PC Unit -NET PRICE	VZ 975232	Pressure Controller with Hose and 'Mini-Can' Calibration Bottle
VZ 990425	W-LAN Interface MET 6.x - PC	VZ 990396	Cable for Connection to 12/24 V Car Power Supply for MET 6.x
VZ 990446	RPM - Vibration RPM Sensor MODEL: MGT 300 EVO	VZ 994019	Mobility Kit for MET 6.x MAHA
VZ 990281	RPM Extension Cable (4 m) for Magnetic Sensor to be conn. to RPM VC 2/MGT 300 EVO	VZ 975533	Connecting Kit for Exhaust Inspection of Motorcycles via MGT 5, MET 6.1/6.3
VZ 990284	RPM Extension Cable 4 m for Battery to be connected to RPM VC 2/MGT 300 EVO	VZ 975536	Connecting Kit f. Exhaust Suction System when performing exhaust inspection of motorcy.
VZ 990282	RPM Cable RPM VC 2/MGT 300 EVO Power Supply for Connection to 12/24 V On-Board Power Supply	VZ 990454	Telescopic rod for MET
VZ 990283	RPM-Power Supply of RPM VC 2/ MGT 300 EVO to be connected to 230 V/50 Hz	<b>SUPPLEMENTARY CHARGES</b>	
VZ 990439	RPM - Vibration RPM Sensor MODEL: AVL DITEST SPEED 2000	VM 995768	Calibration acc. to DIN 17025 Vtbl. 11/2018 for MET 6.1 -NET PRICE-
VZ 910138	RPM Power Supply for AVL DISPEED (for 230 V/ 50 Hz Connection)	VM 995778	Calibration acc. to MID for MET 6.1 -NET PRICE
VZ 990455	Y-Adapter for MET 6.x	VM 996062	On-Site Assembly of One Emission Measuring Chamber and Short Instructions
VZ 911205	RPM Extension Cable (5 m) for Combi Sensor Connection to AVL DITEST SPEED 2000	VT 998161	Internal transport -SOUTHemission tester MET, MGT, MDO
VZ 911449	MAHA OBD Tool 1000 (Bluetooth) wireless OBD module	VT 998162	Internal transport -NORTHEmission tester MET, MGT, MDO
		VT 998163	Internal transport -SOUTHemission tester trolley
		VT 998164	Internal transport -NORTHEmission tester trolley