

# EMISSION MEASUREMENT TECHNOLOGY EMISSION TESTER

**MET 6.3**  
VP 135213



## MET 6.3 VP 135213

The combination tester is designed for the measurement of petrol- and diesel-powered vehicles. The MET 6.3 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. Part of the equipment is a 2 m (optional 4 m) long probe for both engine types.

### PRODUCT DETAILS/ACCESSORIES

#### Description:

- Emission tester stands out due to limited weight and compact design
- Short warm-up time, quick measurement readiness
- One single probe sufficient for diesel and petrol
- Accurate analysis of gas components HC, CO, CO<sub>2</sub>, O<sub>2</sub> with lambda value calculation
- Time-saving and easy testing/diagnosis of opacity/particle concentration using the partial flow method with free acceleration or engine under load
- Intuitive operation, clear structure in emissions testing process as set out in current guidelines 5 enable minimum cycle times
- The MAHA VCI makes EOBD analysis easy
- Innovative condensate separation thanks to active water separator
- Easy to maintain thanks to optimum accessibility
- Future-proof with the latest technology
- All measurement values HC, CO, CO<sub>2</sub>, O<sub>2</sub>, K-value, turbidity, particle concentration can be displayed simultaneously
- Option:
  - Expandable for NO<sub>x</sub> analysis; (nitrogen monoxide (NO) and nitrogen dioxide (NO<sub>2</sub>) are measured separately)
  - W-LAN interface

#### Petrol Tester Module Description:

- Partial flow emission tester with display unit (basic device) for analysis of gas components HC, CO, CO<sub>2</sub> and O<sub>2</sub> with lambda

#### value calculation

- Emission testing of CNG, LPG and petrol engines possible

#### Diesel Tester Module Description:

Official German PTB-approval 18.09

- Instantaneous or continuous measurement
- Options:
  - W-LAN interface

#### MET 6.3 Standard Delivery:

- Basic units: gas analyser and opacimeter/particle measurement device in a high-quality synthetic casing with integrated display unit and keypad
- Steel mesh emission probe, 600 mm, 2000 mm probe tubing (optional 4000 mm)
- LANinterface with LAN cable (RJ 45)
- 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 6.3 for inductive RPM measurement at ignition cables
- 2 replacement filters, 2 replacement seals
- Measurement software for continuous measurement and control Of MET without country-specific test procedure

### MET 6.3 TECHNICAL DATA

Power supply	110-230V 50/60 Hz
On-board voltage connection	10-30 V, DC
Dimensions (L x W x H)	406 x 225 x 160 mm
Weight	approx. 5.0 kg
Measurable gases	HC, CO, CO <sub>2</sub> , O <sub>2</sub>
Measurement principle: infrared spectrometry	HC, CO, CO <sub>2</sub>

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Electrochemical detection	O2
Operating pressure	750-1100 hPa
Accuracy class	0 (OIML)
Measurement range / measured value resolution (max.):	
CO	0-15% Vol./0.01
CO2	0-20 % Vol./0.01
HC	0-30000 ppm/1
O2	0-25 % Vol./0.01
Lambda (calculated)	0-9.99/0.01
Measurement principle	absorbance measurement
Heat-up time for measuring cell	150 s
Measuring range, turbidity	0-100 %
Measuring range, absorption coefficient	0-9.99 m-1
Resolution, absorption coefficient	0.01 m-1
Measuring range, particle concentration	1-1100 mg/m³
Resolution, particle concentration	1 mg/m³

## ACCESSORIES

VZ 911355	PC/Test Lane Module for MET 6.3 for Germany	VZ 980045	Sampling hose 4 m -EXTRA CHARGE
VZ 910208	Industrial PC Compact with Windows 11 -NET PRICE	VZ 980039	Exhaust Probe MET 6.x for Full-Power Testing on a Chassis Dyno max. 750°C
VZ 910052	PC Keyboard and Mouse -NET PRICE	VZ 980040	Exhaust Probe MET 6.x for Cars/Motorcycles
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-	VP 975479	Equipment Trolley
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-	VP 975667	Trolley for MET 6.x
VZ 910186	USB-WLAN adapte -NET PRICE-	VZ 911065	Software Target Data for AU I, AU II Emission Testing Proced. with OBD, via Download
VZ 910188	USB-Ethernet adapter -NET PRICE	VZ 990461	NO/NO2 Sensors for MET 6.3
VZ 910189	W-LAN Router for PC Unit -NET PRICE	VZ 975232	Pressure Controller with Hose and 'Mini-Car' 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	VZ 990463	Calibration filter ca. 30%
VZ 990439	RPM - Vibration RPM Sensor MODEL: AVL DITEST SPEED 2000	VZ 990464	Calibration filter ca. 50%
VZ 910138	RPM Power Supply for AVL DISPEED (for 230 V/ 50 Hz Connection)	VZ 990465	Calibration filter ca. 70%
VZ 990455	Y-Adapter for MET 6.x	VZ 990466	Calibration filter ca. 30 %
VZ 911205	RPM Extension Cable (5 m) for Combi Sensor Connection to AVL DITEST SPEED 2000	VZ 990467	Calibration filter ca. 50 %
VZ 911449	MAHA OBD Tool 1000 (Bluetooth) wireless OBD module	VZ 990468	Calibration filter ca. 70 %
VZ 911464	OBFCM data reading acc. to EU regulation 2021/392	<b>SUPPLEMENTARY CHARGES</b>	
VZ 990395	Oil Temperature Sensor for Cars, length 100 - 1500 mm with 6 m cable	VM 995770	Calibration acc. to DIN 17025 Vtbl. 11/2018 for Combi-Tester -NET PRICE-
		VM 995780	Calibration acc. to MID for Combi-Tester -NET PRICE
		VM 996063	On-Site Assembly of Combi Emission Tester and Short Instructions
		VT 998161	Internal transport -SOUTH Emission tester MET, MGT, MDO
		VT 998162	Internal transport -NORTH Emission tester MET, MGT, MDO

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VT 998163 Internal transport -SOUTH Emission tester trolley

VT 998164 Internal transport -NORTH Emission tester trolley