

# 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)
- LAN interface 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>
Electrochemical detection	O <sub>2</sub>
Operating pressure	750-1100 hPa

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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/m <sup>3</sup>
Resolution, particle concentration	1 mg/m <sup>3</sup>

## ACCESSORIES

VZ 911355 PC/Test Lane Module for MET 6.3 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 980045 Sampling hose 4 m -EXTRA CHARGE
- 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 990461 NO/NO2 Sensors for MET 6.3
- 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
- VZ 990463 Calibration filter ca. 30%
- VZ 990464 Calibration filter ca. 50%
- VZ 990465 Calibration filter ca. 70%
- VZ 990466 Calibration filter ca. 30 %
- VZ 990467 Calibration filter ca. 50 %
- VZ 990468 Calibration filter ca. 70 %

### SUPPLEMENTARY CHARGES

- 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 998068 Transportkosten für Kombimesszelle
- VT 998067 Transportkosten separate PC-Einheit für Abgasmesszelle Diagnosesystem



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VT 998069 Transportkosten für Fahrwagen