

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, CO₂, O₂ 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, CO₂, O₂, K-value, turbidity, particle concentration can be displayed simultaneously
- Option:
 - Expandable for NO_x analysis; (nitrogen monoxide (NO) and nitrogen dioxide (NO₂) 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, CO₂ and O₂ 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 O₂ 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 ₂ , O ₂
Measurement principle: infrared spectrometry	HC, CO, CO ₂
Electrochemical detection	O ₂
Operating pressure	750-1100 hPa

EMISSION MEASUREMENT TECHNOLOGY EMISSION TESTER

MET 6.3
VP 135213



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 ³
Resolution, particle concentration	1 mg/m ³

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 Kombimeszelle
 VT 998067 Transportkosten separate PC-Einheit für Abgasmesszelle Diagnosesystem

EMISSION MEASUREMENT TECHNOLOGY **EMISSION TESTER**

MET 6.3
VP 135213



VT 998069 Transportkosten für Fahrwagen