

EMISSION MEASUREMENT TECHNOLOGY EMISSION TESTER

**MCT / MAHA COMBI
TESTER**
VP 135224



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The combination tester is designed for the measurement of petrol- and diesel-powered vehicles. In addition, low weight, compact design and short warm-up time ensure easy handling.

PRODUCT DETAILS/ACCESSORIES

Description:

- Short warm-up time ensures rapid readiness for measurement
- precise analysis of gas components HC, CO, CO₂, O₂ with lambda value calculation
- Time-saving and trouble-free testing and diagnosis of smoke opacity/particle concentration w. partial flow method during free acceleration or under load of engine
- Rapid emission test procedure
- Intuitive operation, clear emission test structure
- Maintenance-friendly thanks to easy accessibility
- Future-proof with cutting-edge technology

Scope of delivery:

- Gas analyser basic device in high-quality metal casing
- Integrated display unit
- Exhaust gas sampling probe 600 mm, 6000 mm probe hose
- Opacimeter basic device in high-quality plastic casing
- Integrated display unit
- Exhaust gas sampling probe 600 mm, 2000 mm probe hose
- Bluetooth interface, USB connection optional
- AUX 2000, incl. magnetic sensor and oil temp. sensor 1000 mm
- Condensate bottle 500 ml

TECHNICAL DATAGAS ANALYSER

Measurement principle:	
infrared spectrometry	HC, CO, CO ₂
Measurable gases	HC, CO, CO ₂ , O ₂
Electrochemical detection	O ₂
Operating conditions:	
Temperature	5°C to 40°C
Power supply	110-230V 50/60 Hz
Accuracy class	0 (OIML)
Dimensions (L x W x H)	344 x 252 x 85 mm
Weight	approx. 2.2 kg
Measurement range / measured value resolution (max.):	
CO	0-15 % Vol. / 0.01
CO ₂	0-20 % Vol. / 0.01
HC	0-9999 ppm / 0.1
O ₂	0-25 % Vol. / 0.01
Lambda (calculated)	0.5-9.99 / 0.01

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Measurement principle	absorbance measurement
Operating conditions:	
Temperature	5°C to 40°C
Power supply	110-230V 50/60 Hz
Dimensions (L x W x H)	395 x 136 x 285 mm
Weight .	approx. 3.5 kg
Maximum exhaust gas temperature	200°C
Measuring range, opacity	0-99.9%
Resolution, opacity	0.1%
Measuring range, absorption coefficient	0-9.99 m-1
Resolution, absorption coefficient	0.01 m-1

ACCESSORIES

VZ 911386	Country module Combi MCT Germany	VZ 990507	Oil Temperature Sensor lenght 1600 mm
VZ 911393	Country module Combi MCT Netherlands	VZ 911449	MAHA OBD Tool 1000 (Bluetooth) wireless OBD module
VZ 911402	Country module Combi MCT Slovakia	VZ 911468	OBFCM data reading acc. to EU regulation 2021/392
VZ 911409	Country module Combi MCT Portugal	VZ 990535	USB connection module for MO/MCT, 10 m cable with adapter
VZ 911425	Country module Combi MCT Austria	SUPPLEMENTARY CHARGES	
VZ 911437	Country module Combi MCT Finland	VT 998187	Transport Werkverkehr -SÜDAbgasmessgerät M4GT, MO, MCT
VZ 911446	Country module Combi MCT France	VT 998188	Transport Werkverkehr -NORDAbgasmessgerät M4GT, MO, MCT
VZ 911418	Country module Combi MCT INTERNATIONAL		
VZ 911434	Integration MES für MCT MAHA Emission Software		
VZ 980046	Exhaust Probe f. Cars & Trucks length 4000 mm		