MAHA EMISSIONS DIAGNOSIS SYSTEMS

FLEXIBLE AND EFFICIENT

MCT – *flexible and efficient*
MAHA COMBI TESTER

For petrol and diesel engines

ET / Emissions measurement for petrol engines, plus comprehensive emissions analysis (M4GT).

01

ET / Emissions measurement for diesel engines, plus comprehensive emissions analysis (MO – MAHA Opacimeter).

02

Diagnostic interface for testing the engine, safety and comfort electronics (OBD).

03

MCT – Emissions test Plus

The emissions test isn't the MCT's only strength. Built with cleverly designed measuring modules, the MCT system meets every requirement in the modern workshop. What's a modern emissions tester today can be a diagnosis station for emissions, ECU diagnostics and automotive measurement technology tomorrow – there's no limits to flexibility.

Modular solutions – added value for workshops.

Always close to hand and ready to use.

Straightforward, swift and intuitive in measurement and diagnostics. That's what sets our modular system apart. Getting more out of our systems is what MAHA promises its customers. After all, extremely short throughput times combined with high-precision measurements are synonymous with extraordinarily good results. Be part of the success story and see our solution for yourself.

MAHA – safety for sure.

03

A robust, versatile system carrier with a large screen forms the basis of the MCT modular system

04

Universal, integrated speed and oil temperature measurement for petrol and diesel engines. For vehicles without an OBD interface too.

05

The user-friendly software helps you save both time and money during the exhaust measurement.

The stationary world of diagnostics. Suitable for every task and every demand.

MAHA's emissions measurement systems are the patented solutions for workshops and their emissions and diagnostic systems. A robust, versatile system carrier forms the basis of the modular system. Clever components are extremely easy to connect to one another – there's plenty of space for that. A generously sized work surface and multifunctional storage space for a PC, printer, probes and cables create clarity and order and thus ensure efficient work processes.

MPC
MAHA PARTICLE COUNTER

For petrol and diesel engines

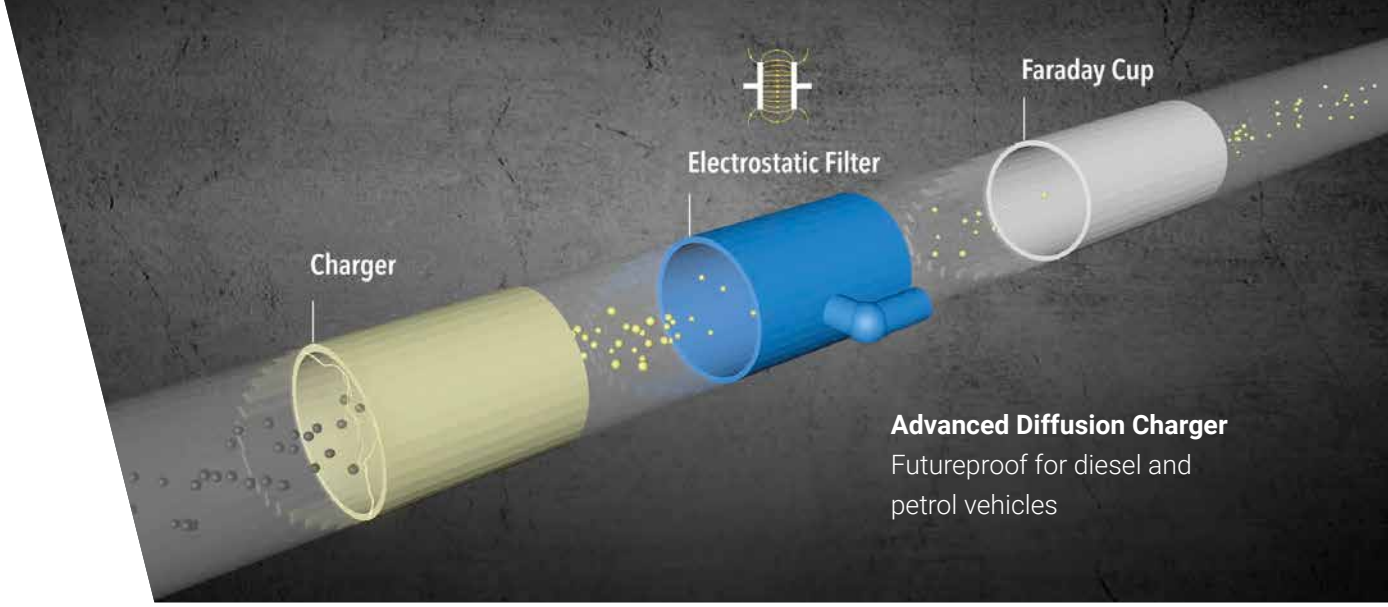
LCD for determining measured values and user-friendly device operation.

Stainless steel pushbutton for quick and easy operation

Probe and gas outlet connections, plus probe heating.

Product benefits

- Self-explanatory and clear operation
- Proven and efficient measurement process
- Rapid measurement availability and high operational readiness (DC)
- Particularly short measurement procedure
- No consumables
- Low maintenance
- Robust design for everyday use in workshops
- Durable materials; solid workmanship
- Futureproof technology; also suitable for petrol vehicles
- PC-guided measurement procedure for testing organisations
- Standalone use due to integrated LCD for workshops



04

The DC (diffusion charging) measurement principle:

The emissions are electrostatically charged and pumped through the measurement chamber. The induced charge is measured as a current and the number of particles per cubic centimetre is determined depending on the measured current.
Unlike the CPC (condensation particle counter) method, this can be done without any need to top up consumables.

Connections for PC via USB, printer and Bluetooth antenna at the rear.

Why did we opt for the DC measurement method?

Unlike the CPC (condensation particle counter) method, the DC technology doesn't require any toxic operating fluids, which makes it completely safe for both humans and the environment.

The measurement device is characterised by the fact that it is constantly ready for operation, since there's no need for refilling with isopropanol or similar operating fluids.

MO / MO T / MO CT

MAHA OPACIMETER / TROLLEY / CONNECT TROLLEY

For diesel engines

Opacimeter: Module for measuring diesel emissions
based on the turbidity measurement.

Product benefits

- Compact, lightweight and low-maintenance opacimeter
- Wireless signal connection via Bluetooth
- Patented linearity test; automatic readiness for use check without filter test
- Just one probe for all truck or car exhaust diameters
- Extremely short warm-up time; rapid response times
- Tried and tested for many years

M4GT / M4GT T / M4GT CT

MAHA 4-GAS TESTER / TROLLEY / CONNECT TROLLEY

For petrol engines

4-gas and 5-gas measurement device. Module for measuring petrol emissions: HC, CO, CO_2, O_2 and lambda. Optional extension to include NO_X.

Product benefits

- High-precision IR measurement bench according to OIML R99 Class 0
- Can be used for extreme condensate formation
- Very low maintenance requirements
- Sophisticated service concept
- MID approval (for Europe)
- Optional NO_X measurement
- Tried and tested for many years

AVL DITEST

MAHA

STRENGTH CONNECTS.

TOGETHER.
RELIABLE.
INNOVATIVE.

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