

ECOGAS100

GAS ANALYSER



ECOGAS100 is the new Gas analyser MULLER AUTOMOTIVE designed for the pollution of petrol, LPG and CNG vehicles. The 4-gas analyser (CO, CO₂, HC, O₂), which is also 5-gas compatible (with the addition of a NO_x sensor), can be adapted to any type of environment and any type of legislation, whether for roadworthiness tests or garage diagnostics.

| TECHNICAL DATA | | ECOGAS100 | |
|-----------------|------------------|-----------|------------|
| | MEASURING RANGE | | RESOLUTION |
| CO | 0 - 9,99 % vol | | 0,01 |
| CO ₂ | 0 - 19,99 % vol | | 0,1 |
| HC | 0 - 9999 ppm vol | | 1 |
| O ₂ | 0 - 25 % vol | | 0,01 |
| NO _x | 0 - 5000 ppm vol | | 1 |
| Lambda | 0,5 - 5 | | 0,001 |
| RPM | 300 - 9999 rpm | | 10 |
| Oil temperature | 20 - 150 °C | | 1 |

4 GAS ANALYSER

- MID type approval for Europe
- Power supply 230V 1ph
- Wired or Bluetooth connection (depending on configuration)
- 6 m sampling probe
- 5-gas compatible (addition of a cell for NO_x measurement)
- Full accessibility to mesh and coalescing filters

ACCESSORIES



See pages 16 to 17

SOFTWARE



See page 20

ECOOPA100

OPACIMETER



ECOOPA100 est l'opacimètre MULLER AUTOMOTIVE **dernière génération**, conçu pour le contrôle pollution des fumées des véhicules diesel. Il peut être connecté indifféremment à un PC ou à une tablette grâce à sa transmission Bluetooth, et permet comme l'analyseur de gaz, de réaliser des mesures en contrôle technique ou des accélérations libres pour identifier les défauts.



TECHNICAL DATA

ECOOPA100

| | MEASURING RANGE | RESOLUTION |
|------------------------|---------------------------|------------|
| Opacity | 0 - 99,99 m ⁻¹ | 0,1 |
| Absorption coefficient | 0 - 9,99 % vol | 0,01 |
| Tachometer | 0 - 9999 rpm | 10 |
| Oil temperature | 20 - 150 °C | 1 |
| Smoke temperature | 20 - 400 °C | 1 |

OPACIMÈTRE

- LNE approval for France and MID for Europe
- Power supply 230V 1ph
- Wireless Communication - Bluetooth
- Configurable with fix cabinet (VL version) or independent (PL version)
- Full accessibility to filters (magnetic plate)

ACCESSORIES



See page 16 to 17

SOFTWARE



See page 20



Heated probe 3,50 m



LV probe 1,50 m

THE CABINET



ECOSHIELD is extending its range to suit all workshop configurations. A wide choice is available: Pre-equipped fixed cabinet or mobile solution with a trolley incorporating a tablet display and gas analyser, plus all related accessories.

TROLLEY FOR OPACIMETER

ROLLING CART

This new trolley is equipped with two large wheels, allowing the opacimeter to be easily moved on any type of surface, whether indoors or outdoors.

ERGONOMIC

The trolley is ergonomically designed for easy handling and transport of the device. Users will appreciate the comfort and ease of use.

POWER SUPPLY

The power supply of the opacimeter is hidden in a housing under the trolley, freeing up the maximum amount of space and making it as compact as possible.



TROLLEY FOR GAS ANALYSER

ROLLING CART

Whether or not it is equipped with a tray to accommodate a gas analyzer, this new trolley carries a tablet and its program, facilitating access to the data and functionalities of the measuring instruments.

ERGONOMIC

The trolley is equipped with a gas analyzer sensor storage tube and a hooking system to receive the 6 meters of probe. 2 ears on the sides allow it to also receive the RPM and OBD player.

POWER SUPPLY

The gas analyzer power supply is also hidden in a housing under the carriage, freeing up the maximum amount of space and making it as compact as possible.



FIXED CABINET FOR GAS ANALYSER

FIXED CABINET

Fixed cabinet specially designed to accommodate the gas analyzer and all its accessories.

This piece of furniture is scalable and will be able to accommodate the next evolutions of pollution measuring devices.

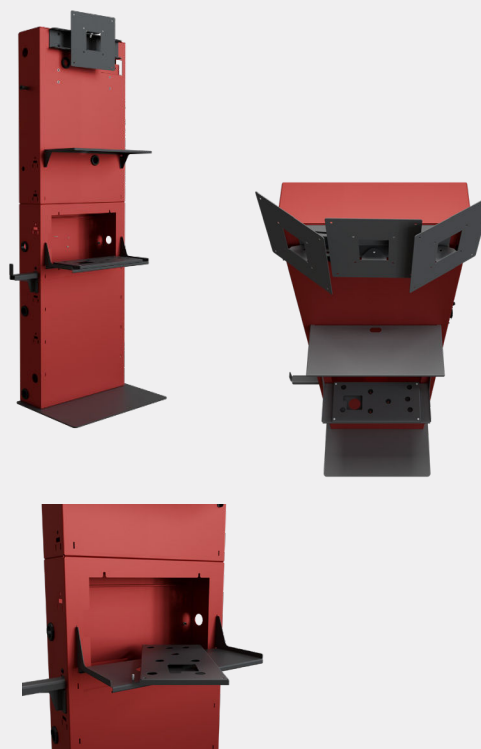
SCREEN TILT

The cabinet offers 3 different screen inclinations, so it can be adapted to any workshop configuration.

A rolling cart option is available to make the furniture mobile if required.

GAS ANALYSER SHELF

A secure system allows the shelf supporting the gas analyzer to rotate so that all connections and filters are then fully accessible.



THE SOFTWARE



ECOSHIELD has a new software to measure the different gas and fumes according to the different regulations :

- Technical inspection mode
- Free measurement mode

ECOGAS100

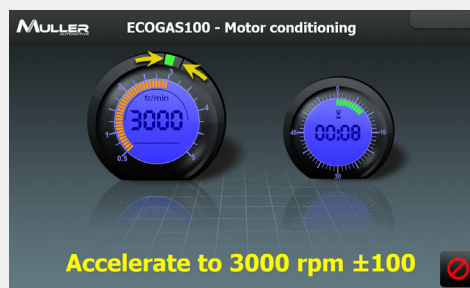
ECOGAS100

This software allows you to follow a regulatory procedure as well as to perform free acceleration for a better diagnosis.



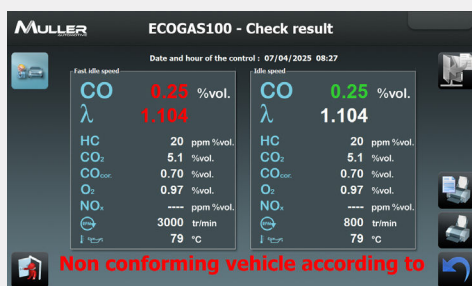
MEASUREMENT SCREEN

After the installation of the measuring accessory (OBD reader or RPM vibration reader), the temperature and engine speed information is clearly displayed, allowing acceleration to begin.



FINAL SCREEN

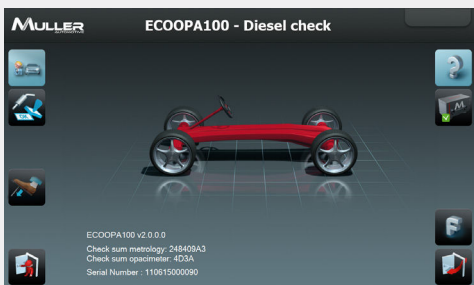
The final screen clearly displays all the data required by the various regulations before they are sent to the various authorities.



ECOOPA100

ECOOPA100

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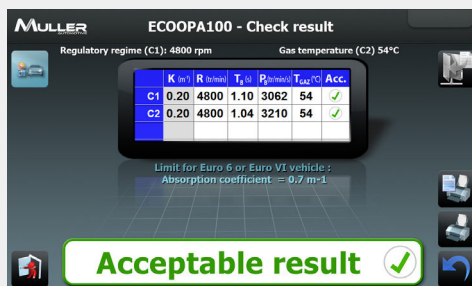
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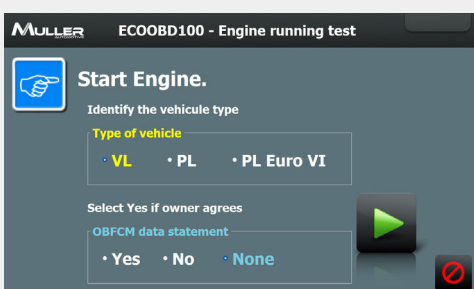
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ECOBD100

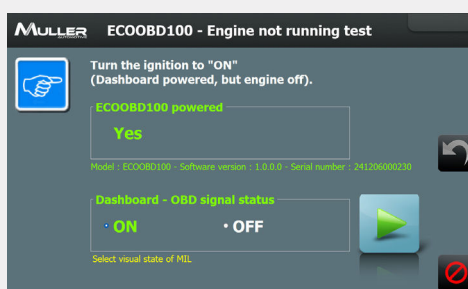
ECOBD100

User-friendly and intuitive interface allowing the user to be guided throughout the procedure.



MEASUREMENT SCREEN

Automatic recognition of the different LV and HGV protocols.



FINAL SCREEN

The final screen clearly displays all the OBFCM data required by the various regulations before it is sent to the various authorities.

