

ADVANCED TOOLING SET FOR SPECIALISTS



4 GAS HANDHELD



4 GAS ANALYSER

Exclusive to **WALKER**

DO NOT HESITATE, DIAGNOSE!

Obtain the maximum performance of your 4 gas analyser test with the 4G AGAR software*:

- Immediately detect a vast number of engine, sensors and catalytic converter problems
- Ultra fast and accurate diagnosis
- No more unnecessary investigations, wasting your time guessing what could be the cause of the problem
- Free software updates, always



4G AGAR

BASIC TOOLING SET FOR EMISSION CONTROL INSTALLERS



PIPE CUTTERS



CYLINDRICAL EXPANDERS



CONICAL EXPANDERS



HOW TO USE
PIPE CUTTERS / CYLINDRICAL EXPANDERS / CONICAL EXPANDERS

REASONS TO USE EC TOOLING

1. Significant time savings in the assembly process, at the same time ensuring that the fitting process is carried out correctly.
2. A correct fitting process extends the life of other elements of the emission control system such as catalytic converters and Diesel particulate filters, while at the same time maintaining the appropriate level of performance of the engine.
3. A correct fitting of the exhaust system will also help to maintain the back pressure level of the system, helping to keep fuel consumption at a minimum level, increasing customer satisfaction.
4. Avoid breakage of expensive elements of the emission control system such as catalytic converters, diesel particulate filters and the SCR catalytic converters due to the effect of back-pressure problems resulting from air leakages in the system.
5. Avoid extremely dangerous cabin pollution through exhaust fumes filtration arising from incorrect connections between pipes and exhaust parts located under the vehicle. It has been proved that the exhaust fumes from both diesel and petrol engines are highly carcinogenic and present a danger to human health.
6. Ensure that all repairs on the emission control system are carried out correctly so as to enable the vehicle to pass the MOT emission control test.
7. Increase safety, performance and comfort of the vehicle, so as to increase customer satisfaction.



For these reasons, and in order to facilitate the processes of assembly and disassembly of the different elements of the emission control system, Walker® has prepared the Basic Emission Control tool kit for specialists.

FAST ANALYSIS GUIDE FOR MEASURING USING 4 GAS ANALYSER TESTER

<p>Is Emergency Mode on? CO more than 0,3% HC more than 125ppm</p> <p>NO</p>	<p>CO is lower than 0,3% 25 is lower than HC is lower than 125 O₂ is higher than 0,2%</p> <p>NO</p>	<p>CO is higher than 0,3% HC is higher than 20 ppm O₂ is higher than 3%</p> <p>YES</p>
<p>CO 1.8% up to 2% HC 380 to 400ppm O₂ less than 0.2%</p> <p>YES</p>	<p>Back Pressure failure (Positive or negative)</p>	<p>Air intake in the Gas Analyser hose Gas Analyser failure.</p>
<p>CO 0.3% up to 1.8% HC 125 up to 380ppm O₂ more than 0.2%</p> <p>NO</p>	<p>Pure Emergency Mode (Lambda Sensor / NTC / ECU wires/connectors)</p>	
<p>CO more than 2% HC 400 up to 500ppm O₂ less than 0.1%</p> <p>YES</p>	<p>Emergency Mode (Air intake between the exhaust port and the Lambda sensor)</p>	
<p>CO more than 0.3% HC 1300 up to 1800ppm O₂ 3.5% up to 5.5%</p> <p>NO</p>	<p>Emergency Mode (Air intake problems, air to fuel is to lean)</p>	
<p>CO more than 0.3% HC 1850 up to 2100ppm O₂ 5.5% up to 6.1%</p> <p>YES</p>	<p>Partial failure of a cylinder (ignition system failure, compression, etc)</p>	
<p>CO more than 0.3% HC 1850 up to 2100ppm O₂ 5.5% up to 6.1%</p> <p>NO</p>	<p>Complete Cylinder failure, (ignition system failure, compression, etc)</p>	
<p>CO 0.3% up to 1,8% HC 40 up to 160ppm O₂ 0.3% up to 2%</p> <p>YES</p>	<p>Cold or worn-out Catalytic Converter</p>	