

AutoGas™

## Four/Five Gas Analyser



The AutoGas Four/Five Portable Gas Analyser measures exhaust gas for compliance and tuning. The AutoGas Five can function independently or integrate into a Vehicle Test Lane. Distributed internationally AutoGas Gas Analyser is suitable for both light and heavy vehicle.

Measure:



## Unique Feature

- Capability to measure CO, HC, CO<sub>2</sub>, O<sub>2</sub> and NOX contents of petrol, CNG, and LPG & diesel vehicle exhausts.
- RPM measurement facility using vehicle battery, inductive pick-up, or optional accelerometer or OBD
- Compatible with Windows-based operation V10 or above
- Complies with the OIML R99 (ISO 3930) Class 0
- Portable, light-weight design.

## Standard Accessories

- Sampling probe assembly for gas intake
- Battery cable assembly
- Oil temperature probe
- Inductive Pick-up
- OBD

## Optional Accessories

- Accelerometer sensor pick-up
- Gas test software for Windows
- NOx sensor for measuring 5th gas

## Standard Features

- Suitable for use on Petrol, LPG, CNG and diesel engines
- Measures RPM through vehicle battery, spark lead or (optional accelerometer)
- Automatic water discharge
- RS232, Bluetooth, Wi-Fi interface & USB
- Integrated thermal printer for printing
- Engine oil temperature measurement
- Automatic zero calibration
- Display of PEF/RPM/Lambda/AFR values
- Air leak check facility
- Stores over 100 tests.

## Optional Features

- RPM measurement using accelerometer sensor and OBD
- Windows software for running and storing tests on PC.

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Note: Outer appearance and specifications are subject to change without prior notice



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Gas Analyser?

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## Technical Specification

Measurement Parameters	Range	Resolution	Accuracy	
			Relative	Absolute
CO (Carbon Monoxide)	0 – 15.5%	1 ppm	±3%	±0.03% Vol
CO <sub>2</sub> (Carbon Dioxide)	0 – 25% Vol	0.1%	±4%	±0.04% Vol
HC (Hydro Carbon)	0 – 20000 PPM	1 PPM	±5%	±10% Vol
O <sub>2</sub> (Oxygen)	0 – 25% Vol	0.01%	±3%	±0.1% Vol
NOx	0 – 5000 PPM	1 PPM	±4%	±25 ppm Vol
Lambda	0.2 – 2.0	0.001		
AFR	0 – 30%	0.01%		
Oil Temperature	0 – 120°C	1°C		
Engine RPM	600 – 3500 RPM	10 RPM	5%	
Measuring Gas Intake	3 litres/minute			
Leak Test	Electronic			
Condensate discharge	Automatic			
Warm up time at 0°C	<10 minutes			
Zeroing and RPM calibration	Automatic			

## Electrical Specification

Operating temperature	+5°C to +45°C
Storage temperature	-20°C to +70°C
Overall machine dimensions, unpacked	W310 x D400 x H210mm
Machine weight, unpacked	9kg

## General Specification

AC Power supply	220V to 265V AC, single phase, 50/60 Hz
DC Power supply	11V to 32V DC battery
Power consumption	25 Watt

## Features for Windows based operation

- Photograph of vehicle number plate with unique job ID in colour printout.

