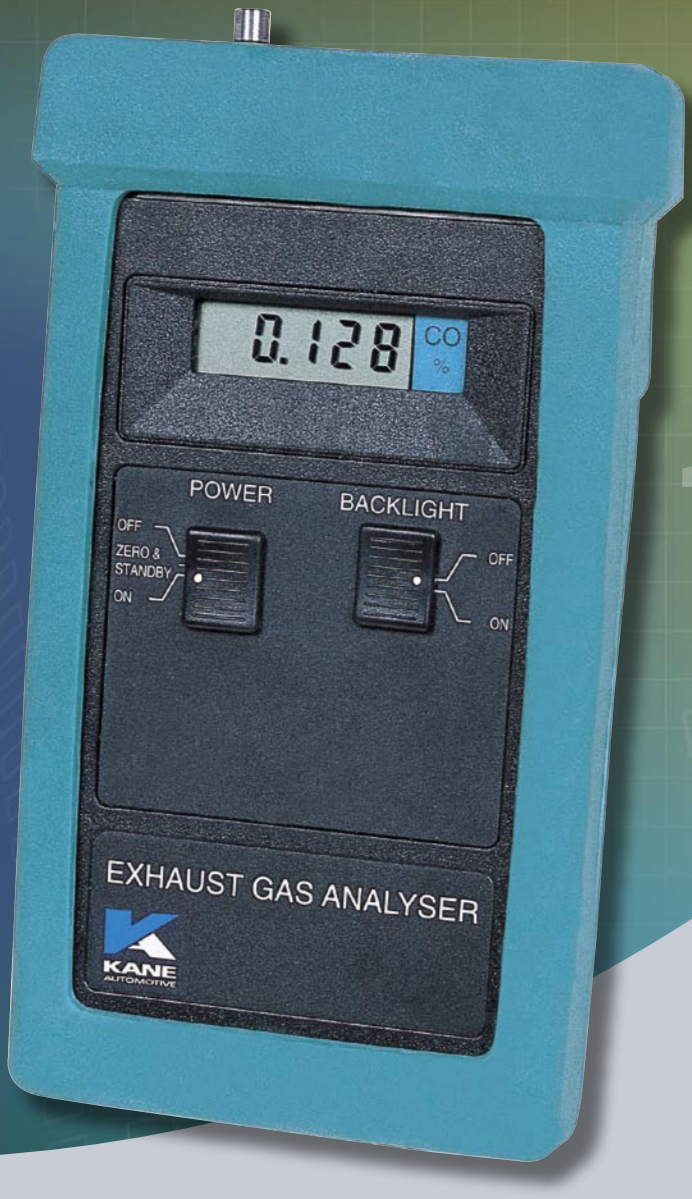
Hand Held Exhaust Gas Analysers

AUTO1-O2 AUTO1-CO AUTO1-NOx

it's easy with Kane



1-O2
1-CO
1-NOx
O2
CO
NOx

Features

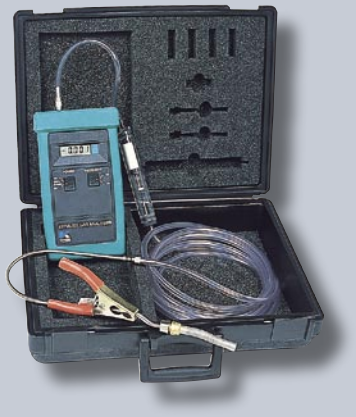
- Auto 1-Series for measuring: Carbon Monoxide (CO), Nitric Oxides (NOx) or Oxygen (O_2)
- Handheld, fully portable with internal batteries and 12v adapter cable
- Compact, robust design for fast, accurate and efficient exhaust gas monitoring
- Easy to operate, no complex calibration
- Long life sensors and pumps
- Proven technology from the specialists in hand held gas analysers
- Complete with hose, probe and clamp, water trap and filter, 12v adapter cable, 4 x AA batteries, spare filters, protective boot and carry case

KANE AUTOMOTIVE

Technical Specifications AUTO1-O2, AUTO1-CO & AUTO1-NOx

	Auto1-O2	Auto1-CO	Auto1-NOx
GAS	Oxygen	Carbon Monoxide	Nitric Oxides
RANGE	0-21%	0-10%	0-5000PPM
RESOLUTION	0.1%	0.001%	1PPM
ACCURACY	+-0.2%	+-5% of reading >1% +-0.05% <1%	+-5% of reading >100PPM +-5PPM <100PPM
SENSOR TYPE	Fuel cell	Electrochemical	Electrochemical

*1 Using dry certified test gases at STP
To obtain the quoted specification an instrument should be calibrated with clean ambient air (normally outside the workshop) at the standard temperature and pressure (STP).



KANE AUTO 1-SERIES	
Power Supply	4 x AA cells (Alkaline preferred) or 12V Adaptor Cable
Battery Life	Alkaline AA cells last 6 hours without backlight
Low Battery	Automatic display indication
Sensor Life	2 years in normal use
Sensor Response Time	Typically 30 to 40 secs to T_{90}
Analyser Response Time with Hose	Typically 2 minutes
Pump Flow Rate	700m Litres/minute nominal
Operating Temperature	0 to 40˚C
Humidity	10% to 90% non condensing
Dimensions	220 x 120 x 55mm
Weight	590g (including batteries)
Filter and Water Trap	
Filtration	99% of all particles >20 microns
Water Trap Capacity	10cc approximately
Max. Temperature	50˚C

The Kane range of portable exhaust gas analysers (EGA) are designed to provide a cost effective alternative to more expensive and complex fixed systems.

The Auto 1 single gas series measures NOx, CO or O_2 individually using electro-chemical cells. This provides the workshop with a low cost way of adding the "5th" gas to an existing 4 gas analyser, in the case of NOx; or the benefit of CO analysis for tuning/ emission checking purposes (Auto 1-CO;) or establishing the existence/ location of air leaks with the Auto 1-O2.

Exhaust emissions can be monitored in normal static conditions in the garage, or during road tests or while using a rolling road. Take the analyser to the vehicle, not the other way round!

Kane International provides the automotive technician with an easy to use diagnostic tool to assist with fault finding on any vehicle. In test/ repair situations this eliminates the need to tie up expensive equipment on unplanned tests.

Measurements are taken direct from the exhaust pipe to confirm that the engine set up parameters are correct. This process highlights the correct operation of the catalytic converters and sophisticated engine management systems. Adjustments can be made and the effects on the exhaust gas concentrations can be quickly seen.

With sensor life typically in excess of two years and minimal running costs, the EGA range offers a cost effective solution.

Designed and manufactured by Kane International in the UK

Take the stress out of measuring gas and make it easy with KANE. After all it is all in your hand!

Note: Always use a high temperature probe for road tests and for checking vehicles on rolling roads.

Your distributor

Warranty

All Kane products are warranted from the date of purchase. This warranty covers any defects in materials or manufacturing and applies worldwide.

Kane Automotive is a division of Kane International Limited who specialise in the design and manufacture of electronic instruments for monitoring and optimising both energy usage and emissions from energy processes. Our Policy is to continuously develop and improve our products and so we reserve the right to change any part of our specifications without prior notice.

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