



Specification

Parameter	Resolution	Accuracy*1		Specified Range	Over Range
		vol	%		
Gas Measurement					
Oxygen	0.02%	+/-0.25%	+/-5%	0-21%	25%
Carbon Monoxide	0.01%	+/-0.15%	+/-10%	5%	20%
Carbon Dioxide*2	0.1%	+/-0.5%	+/-10%	0-16%	20%
HC	1 ppm	+/-20ppm	+/-10%	2,000ppm	30,000ppm
NOx (5 gas version only)	1 ppm	+/-20ppm	+/-10%	5,000ppm	5,000ppm
Pre-programmed Fuels	Petrol/gasoline, LPG, CNG				
Dimensions					
Weight	1kg / 2.2lb				
Handset	200mm / 7.9" x 45mm / 1.8" x 90mm / 3.5"				
Probe	4m neoprene hose and 20cm (insertion length) stainless steel flexible probe				
Ambient Operating Range	+0°C to +40°C / 32-104°F 10% to 90% RH non-condensing				
Battery Life	20 mins from full charge				
AC adapter	Input:	110Vac/220 Vac nominal			
	Output:	10 Vac off load			

*1 Using dry gases at STP with the instrument not subjected to sudden changes of temperature, position or severe vibration - CO calibration applies to exhaust gas only.
*2 Calculated.



The Standard in Information and Diagnostic Systems

SCANGAS™

Exhaust Gas Analyser



- Easy to use
- Fully portable
- Unique rotary switch
- Data hold and storage
- Multi-fuel compatible



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flexibility, adaptability, profitability

ScanGas

The ScanGas™ is a “handheld” analyser that measures vehicle exhaust emissions for Carbon Monoxide (CO) Carbon Dioxide (CO²) Hydrocarbons (HC) Oxygen (O²) and optionally oxides of Nitrogen (Nox), using a unique infra-red bench and electro chemical sensor.

A simple rotary dial and 4 buttons are all that is needed to operate the ScanGas™ and a protective rubber boot with an integral magnet allow for a “hands free” operation. An integral water trap provides added protection.

The ScanGas™ offers full gas analyser functionality and is ideal for diagnostic work, pre compliance testing plus servicing to vehicle manufacturers standards.

Features

- Low cost after sales service
No mandatory calibrations
- Print via optional infra-red printer
Provides a before and after report
- Three power options
Mains, 12V and internal battery - allows for use anywhere
- Additional diagnostic features
Measures Lambda/AFR and corrected CO
- Compatible with “multi fuel” vehicles
Petrol, LPG, CNG

Easy to use

Select - Measure - Analyse

- Connect ScanGas™ to 12V supply (or mains)
- Switch on - the ScanGas™ will count down from 99 to 0
- Place the probe in the exhaust and connect to the analyser
- Use the rotary switch to select the measurements to view
- Press print if required (using the optional infra-red printer) to view all measurements



Key Features

- Gas analysis should be the first test on the vehicle as well as the last
- Gives the vehicle a “health check” allowing a before and after report
- An instant assessment of the condition of the engine and the function of the catalytic converter



Infra-red printer (optional)

Part No. KANKMIRPSO

- No messy cables
- Battery operated
- Point the ScanGas™ at the printer and press “print”

Options

Part No. ScanGas1

- 4 Gas analyser in a protective case with a foam insert
- Complete with mains adapter, 12V flexi cable, filters and manual

Part No. ScanGas2

- 4 Gas analyser plus infra-red printer in a protective case with a foam insert
- Complete with mains adapter, 12V flexi cable, filters and manual

Part No. KANNOXSOUK

- Upgrade – 4 Gas analysers can be upgraded to measure oxides of Nitrogen NOx

Part No. ScanGas3

- 5 Gas analyser in a protective case with a foam insert
- Complete with mains adapter, 12V flexi cable, filters and manual

Part No. ScanGas4

- 5 Gas analyser plus infra-red printer in a protective case with a foam insert
- Complete with mains adapter, 12V flexi cable, filters and manual



- “Micro” infra-red gas measuring bench
Measures to the same accuracy as larger more expensive units



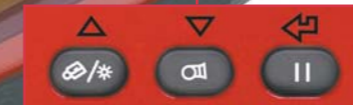
- Built-in water trap and filter
Simple maintenance



- Lightweight
At under 1kg in weight and with its own internal battery it can be used anywhere



- Unique rotary switch
Combines ease of use without compromising on performance and features



- Data hold and storage
Can store tests manually or using the “autostore” facility

What the readings tell you the technician

The obvious

- Rich mixture
- Lambda is 1 - perfect mixture
- Lean mixture
- Indication of CAT failure

The not so obvious

- Ignition misfire
- Exhaust leak
- Fuel misfire
- EGR system failure

The even less obvious

- Head gasket fault - used as a “sniffer” to detect CO in the air gap in the expansion bottle
- Failure to start - with the probe in the exhaust and ScanGas™ running, high HC on cranking indicate fuel present