Hand Held 4 & 5 Gas Analyser AUT04-1 & AUT05-1 OIML R99 Class 1



Features

- Easy to use hand held 4 or 5 gas analyser
- Declaration of conformity to OIML R99 Class 1
- Certificate of calibration supplied
- Ideal for emissions diagnostics, tuning and regulated testing
- Measures CO, HC, O₂, CO₂, and Lambda (or AFR)
- Easily upgradeable to NOx or can be ordered as 5 gas analyser AUT05-1
- Fast warm up time and fast response time with higher output pump
- RPM and oil temperature measurements plus accessories
- Prints via optional Infra-red printer
- PC compatible via RS232 for uploading stored data to PC for spreadsheet or graphical analysis and printing
- Complete with protective rubber sleeve, water trap and filter, lap-top style carry case, mains adapter/battery charger, 12v adapter cable, high temperature probe, RPM clamp, oil probe and manual

Lambda/AFR

Optional Extras

- Infra-red printer
- NOx upgrade
- PC Software

AUTO 5-	•1	
DATE		15-08-04
TIME		11:15:06
FUEL		PETROL
02	%	0.74
C02	%	13.4
HC	ppm	08
C0	%	0.43
COK	%	0.46
Lambda	1	1.027
NOX	ppm	183





Technical Specifications AUT04-1 & AUT05-1

	Specified Range	Over Range	Accuracy*1 Vol	Accuracy*1 %	Resolution	
со	0-10%	20%	+-0.06%	+-5%	0.01%	
нс	0-5,000PPM	20,000PPM	+-12PPM	+-5%	1PPM	
02	0-21%	48%	+-0.1%	+-5%	0.01%	
CO2	0-16%	25%	+-0.5%	+-5%	0.1%	
NOx	0-5,000PPM		0-4000PPM	+-4%	1PPM	
Oil Temp	0-150°C 32-302°F		+-2.0°C +-3.6°F	+-3% +-3%	1.0°C/F	
RPM	200-6,000RPM		50RPM		1RPM	
Corrected CO	0-15%		Calculated		0.01%	
Lambda	0.8-1.2				0.001	
AFR Petrol LPG	11.76-17.64 12.48-18.72				0.01	
KANE AUTO 4	-1 & 5-1 SERIES					
Product Select	ion		01	ML Class 1		
Kit Reference			AUTO 5-1	AU	TO 4-1	
Hardware						
Metrology Stan	Idard		OIML R99 Class 1	OIML F	OIML R99 Class 1	
Measured Gase	es – Using NDIR Bend	:h	CO/CO2/HC	C0/	CO2/HC	
Using Electro-(Using Electro-Chemical Cells		02/N0		02	
Corrected CO (Corrected CO (COK)		1		1	
Lambda & AFR		1	1			
Power Supply:	Power Supply: Intern. Battery/Mains/12V		✓		1	
Measures RPM	Measures RPM: 2, 4 Stroke, DIS, 2-12 Cyl.		1		1	
Measures Oil T	Measures Oil Temperature		1		1	
Warm Up Time	arm Up Time in less than 3 Minutes		<i>J J</i>		1	
Fuel Types: Pe	iel Types: Petrol, LPG, CNG, Diesel*		1	J J		
Infra Red Print	ra Red Printer Compatible		1	1		
PC Compatible	:		1	1		
Software				I		
Pre-Programmed Language Options		1		1		
Pre-Programme	Pre-Programmed Emission Test		1		1	
Auto Store & D	ata Logging		1		1	
Upgradeable A	Upgradeable Analyser Firmware		1		1	
Service Softwa	re 🗸		1			
Accessories			· · · · · · · · · · · · · · · · · · ·			
High Temperat	ure Probe		1		1	
RPM Inductive	Clamp		1		1	
Oil Temperatur	e Probe		1		1	
Infra-red Printe	er		Optional/KMIRP Optional/K		nal/KMIRP	
Laptop Style C	arry Case		1	· · ·		
PC Software			Optional/AUTOSWKI	r Optional/	AUTOSWKIT	
NOx Upgrade		N/A	N	0X4-1		

*1 Using dry gases at STP -CO calibration applies to exhaust gas only * For diesel HC is not displayed

The Kane Auto 4-1 & 5-1 Series Exhaust Gas Analysers are truly portable and set new standards of convenience and ease of use. Weighing just 1kg, the handset fits comfortably in the hand and can run for up to 4 hours on its internal re-chargeable battery.

Ideal for emission diagnostics, tuning and regulated testing, where OIML Class 1 is specified.

The programmed recalibration procedure permits low cost servicing either on site or at approved European service facilities. The software includes pre-programmed language options, pre-programmed emission test, auto store & data logging, upgradeable analyser firmware and service software.

An automatic leak test can be performed on every power up. Integral flow checking provides warning of probe blockages.

The analyser goes to the car, not the car to the analyser! No need to shuffle vehicles around. For intermittent faults or for NOx analysis (engine under load conditions), why not data log the results during a road test? Use the PC software to upload and analyse the data as a spread sheet or graphically. With accuracy to OIML R99 Class 1, you are assured of the highest metrology standards.

Designed, developed and manufactured by Kane International Ltd in the UK.

Take the stress out of measuring gas and make it easy with KANE.

KANE AUTO 4 & 5 SERIES					
Product Selection	OIML R99	OIML R99 CLASS 1		NON CLASS 1 Pre-Compliance	
Kit Reference	AUTO 5-1	AUTO 4-	AUTO 5-2	AUTO4-2	
Hardware					
OIML R99 Class 1 Certificate	3	3	Class 1 Accurate	Class 1 Accurate	
Measured Gases ñ Using NDIR Bench	CO/CO2/HC	CO/CO2/HC	CO/CO2/HC	CO/CO2/HC	
Using Electro-Chemical Cells	02/N0	02	02/N0	02	
Corrected CO (COK)	✓	1	1	1	
Lambda & AFR	✓	1	1	1	
Power Supply: Intern. Battery/Mains/12V	✓	1	1	1	
Measures RPM: 2, 4 Stroke, DIS, 2-12 Cyl.	✓	1	1	1	
Measures Oil Temperature	✓	1	1	1	
Warm Up Time in less than 3 Minutes	✓	1	1	✓	
Fuel Types: Petrol, LPG, CNG, Diesel*	✓	1	1	1	
Infra Red Printer Compatible	✓	1	1	✓	
PC Compatible	✓	1	1	✓	
Software					
Pre-Programmed Language Options	✓	1	1	✓	
Pre-Programmed Emission Test	1	1	1	1	
Auto Store & Data Logging	<i>s</i>	1	1	✓	
Upgradeable Analyser Firmware	1	1	1	1	
Service Software	✓	1	1	1	
Accessories					
High Temperature Probe	✓	1	1	✓	
RPM Inductive Clamp	✓	1	1	✓	
Oil Temperature Probe	✓	1	1	✓	
Laptop Style Carry Case	1	1	1	✓	
Upgrades & Optional Extras					
Infra Red Printer	KMIRP	KMIRP	KMIRP	KMIRP	
Software c/w interface lead for PC link	Autoswki	Autoswki	Autoswkit	Autoswkit	
NO Upgrade (Electro-Chemical Cell)	-	NOX4-1	-	NOX4-2	
* For diesel HC is not displayed					