

# Bench-Top 4 & 5 Gas Analyser

AUT04-3 & AUT05-3

*it's easy with Kane*



GAS ANALYSERS

CO

HC

O<sub>2</sub>

CO<sub>2</sub>

NO<sub>x</sub>

Lambda

## Features

- Easy to use bench top 4 or 5 exhaust gas analyser
- OIML Class 1 accuracy
- Measures CO, HC, O<sub>2</sub> CO<sub>2</sub> and Lambda
- Easily upgradeable to NO<sub>x</sub> or can be ordered as 5 gas analyser AUT05-3
- Fast warm up time – 150 seconds
- RPM and Oil Temperature measurement
- Print results via optional Infra-red printer
- Can be used on Petrol, LPG and CNG vehicles

## Optional Extras

- Infra-red printer
- NO<sub>x</sub> upgrade
- PC Software
- RPM clamp
- Oil temperature probe
- High temperature exhaust probes



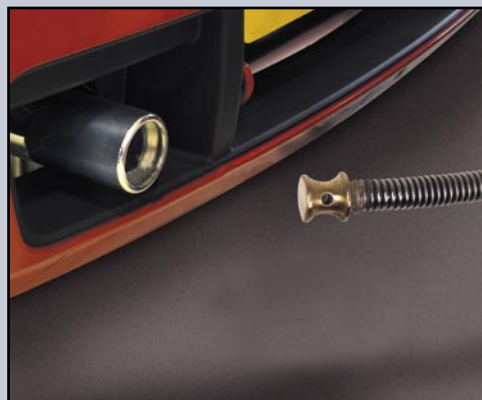
Kane Automotive  
(44) 1707 375550

VEHICLE: .....T123 ABC  
FUEL: ..... PETROL  
DATE: 11-05-04  
TIME: 10:11:48  
CO % vol..... 3.5  
HC ppm vol..... 1234  
CO<sub>2</sub> % vol..... 14  
O<sub>2</sub> % vol..... 2.1



## Technical Specifications AUT04-3 & AUT05-3

	Specified Range	Over Range	Accuracy Vol	Accuracy %	Resolution
CO	0-10%	20%	+0.06%	+5%	0.01
HC	0-2000PPM	20,000PPM	+12PPM	+5%	1
O <sub>2</sub>	0-21%	48%	+0.1%	+5%	0.02
CO <sub>2</sub>	0-16%	25%	+0.5%	+5%	0.1%
NO <sub>x</sub>	0-5000PPM	5,000PPM	25PPM	+5%	1PPM
Lambda	0.8-1.2				0.001
AFR	11.76-17.64				0.01
RPM	200-6000RPM		50RPM		1RPM
Oil Temp	0-150°C		+0.2°C	+0.3%	1.0°C



KANE AUTO 4-3 & 5-3 SERIES		
Product Selection	Non-Class 1	
Kit Reference	AUTO 5-3	AUTO 4-3
Hardware		
Metrology Standard	Class 1 Accurate	Class 1 Accurate
Measured Gases – Using NDIR Bench	CO/CO <sub>2</sub> /HC	CO/CO <sub>2</sub> /HC
Using Electro-Chemical Cells	O <sub>2</sub> /NO	O <sub>2</sub>
Corrected CO (COK)	✓	✓
Lambda & AFR	✓	✓
Power Supply: Intern. Battery/Mains/12V	✓	✓
Measures RPM: 2, 4 Stroke, DIS, 2-12 Cyl.	✓	✓
Measures Oil Temperature	✓	✓
Warm Up Time in less than 3 Minutes	✓	✓
Fuel Types: Petrol, LPG, CNG, Diesel*	✓	✓
Infra Red Printer Compatible	✓	✓
PC Compatible	✓	✓
Software		
Pre-Programmed Language Options	✓	✓
Pre-Programmed Emission Test	✓	✓
Auto Store & Data Logging	✓	✓
Upgradeable Analyser Firmware	✓	✓
Service Software	✓	✓
Accessories		
High Temperature Probe	✓	Optional/EPAUTO2
RPM Inductive Clamp	Optional/RPMCL	Optional/RPMCL
Oil Temperature Probe	Optional/SM11284	Optional/SM11284
Infra-red Printer	Optional/KMIRP	Optional/KMIRP
Laptop Style Carry Case	Optional/1412/2	Optional/1412/2
PC Software	Optional/AUTOSWKIT	Optional/AUTOSWKIT
NO <sub>x</sub> Upgrade	N/A	NOX4-3



\* For diesel HC not shown

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

KANE AUTO 4 & 5 SERIES				
Product Selection	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	,	,	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	O2/NO	O2	O2/NO	O2
Corrected CO (COK)	✓	✓	✓	✓
Lambda & AFR	✓	✓	✓	✓
Power Supply: Intern. Battery/Mains/12V	✓	✓	✓	✓
Measures RPM: 2, 4 Stroke, DIS, 2-12 Cyl.	✓	✓	✓	✓
Measures Oil Temperature	✓	✓	✓	✓
Warm Up Time in less than 3 Minutes	✓	✓	✓	✓
Fuel Types: Petrol, LPG, CNG, Diesel*	✓	✓	✓	✓
Infra Red Printer Compatible	✓	✓	✓	✓
PC Compatible	✓	✓	✓	✓
Software				
Pre-Programmed Language Options	✓	✓	✓	✓
Pre-Programmed Emission Test	✓	✓	✓	✓
Auto Store & Data Logging	✓	✓	✓	✓
Upgradeable Analyser Firmware	✓	✓	✓	✓
Service Software	✓	✓	✓	✓
Accessories				
High Temperature Probe	✓	✓	✓	✓
RPM Inductive Clamp	✓	✓	✓	✓
Oil Temperature Probe	✓	✓	✓	✓
Laptop Style Carry Case	✓	✓	✓	✓
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				



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.