

# KANE9206

Quintox  
Flue Gas Analyser  
& Emissions Monitor



# KANE9206 Quintox Flue Gas Analyser & Emissions Monitor



Independently tested by TÜV SUD to EN50379 the new **KANE9206 Quintox** is a cost effective & versatile emissions monitoring solution. Customised to your specific requirement the **KANE9206 Quintox** uses electro-chemical sensors to monitor Carbon Monoxide, Nitrogen Dioxide, Nitric Oxide, Sulphur Dioxide, Hydrogen Sulphide, and Oxygen. Combine up to five electro-chemical sensors with our infra-red measurement technology to monitor Carbon Monoxide (up to 10%), Carbon Dioxide & Hydrocarbons.

## Key features include:

- Large Graphical Display
  - Up to 15 lines of text/data can be displayed
- Wireless link from the handset to the base unit
  - Offering cable free connection
- GPS Location
  - Pinpoint exact test location
- Wireless & USB Connection to PC
  - Use the KANE LIVE software to monitor readings in "real time"
- Large internal memory
  - Can store up to 64,000 tests
- Main Purge
  - Allows sensor zeroing without the need to withdraw the probe from the flue
  - Refreshes the sensors during long term monitoring
  - Automatically protects the sensors from being over-ranged.
- Active Flow Control
  - Compensates for sample pressure fluctuation & filter blocking by adjusting the pump speed to maintain a set sample gas flow rate
- Built in Printer with additional output to optional portable IR Printer
  - IR printer ideal when working away from the base unit



The KANE9206 Quintox is a modular system & the standard kit provides the platform to build a complete solution to suit your specific monitoring application.

All the options available are listed below ensuring that you are provided with exactly what you need.

## 1. The KANE9206 Quintox Standard Kit

KANE9206 Standard Kit Includes: Handset, Base Unit & Power Supply						
Measures	O <sub>2</sub> 0-25%	CO (Hz Compensated) 0-10000ppm	CO <sub>2</sub> (calculated) 0-20%	Temperature 0-1100°C	Pressure 0-150 mbar	Efficiency 1-100%

## 2. Select additional sensor options

Optional Sensor Upgrades	The Quintox can be fitted with any combination of up to five additional electro-chemical sensors plus one complete infra-red module					
Electro-Chemical Sensors	NO (Hi Range) 0-5000ppm KNO1H/Q	NO (Lo Range) 0-100ppm KNO1L/Q	NO <sub>2</sub> 0-1000ppm KNO2/Q	SO <sub>2</sub> (Hi Range) 0-5000ppm KSO2H/Q	SO <sub>2</sub> (Lo Range) 0-100ppm KSO2L/Q	H <sub>2</sub> S 0-1000ppm KH2S/Q
Infra-Red Module KHC/Q	CO 0-10%	HC 0-5000ppm	CO <sub>2</sub> 0-20%	Please note: if Infra-Red Module KHC/Q is fitted, the Hi/Lo CO Protection Solenoid & Pump KHPURQ is also required. See below for more details.		

## 3. Select a probe

Optional Probes	Depending on your requirement a selection of high quality stainless steel probes with integral thermocouples are available Hi-Temp = 1100°C/2140°F Standard Temp = 600°C/1112°F						
	Hi Temp Probe 1 metre removable shaft KMCHLP6	Hi Temp Probe 285mm removable shaft KMCHP6	Hi Temp Smoke Probe 1 metre removable shaft KMCHSLP6	Hi Temp Smoke Probe 285mm removable shaft KMCHSP6	Smoke Probe 285mm removable shaft KMCP6	Professional Probe 1 metre removable shaft KMCLP6	Professional Probe 285mm removable shaft KMCPLP6

## 4. Optional upgrades

Used in conjunction with the heated probe & heated line, the sample conditioning unit comprises: a peltier fan cooled chiller assembly, a peristaltic pump to automatically remove condensate, the control electronics & power supply module		
Sample Conditioning Unit KMDM110/230	Heated Probe KMHP1200	Heated Line KMHL3000
Hi/Lo CO Protection Solenoid & Pump KHPURQ Must be used with Infra-Red Module KHC/Q	Hi/Lo purge protection allows a standard ppm sensor to be fitted providing accurate readings at below 20ppm. When approaching over-range the solenoid operates & switches the gas flow to the electro-chemical sensor from flue gas to fresh air. The pump is then used to flush out the CO sensor & protect it from over-range. CO readings continue to be taken using the CO channel of the Infra-Red Module KHC/Q	
Pumped Water Trap WTS9206P	The pumped water trap empties itself on a regular basis & so protects the analyser from condensate overflow, this allows long term unattended monitoring	
Heater - Toxic Sensors KHSA	Enables toxic sensors to operate effectively at below 0°C ambient temperature. The heater maintains temperature at +5°C	

ZERO TIME 41m

CO2	0.0%	NETT	-N/F-deg C
HC	0 ppm	LOSS	-----%
CO	0 ppm	DRY	-----%
NO	902 ppm	WET	0.0%
NO2	2 ppm	CO LOSS	0.0%
NOx	904 ppm	P INDEX	0.00%
SO2	0 ppm	CO/CO2 R	0.0000
H2S	--- ppm	EffC(N)	0.00%
O2	20.90%	XAIR	81%
FLUE	-N/F-deg C	PRESSURE	-2.60 mbar
INLET	-N/F-deg C	ATM	1011.9 mbar
AMBIENT	22.7 deg C	GPS (X)	-00000.000
	16:31:09	08/09/14	S06

## Main Measurement Screen:

### Top line:

Shows status messages

### Gases:

O2 & CO2 are shown in %

Other gases shown in ppm or other user selected units

CO can be shown in % if optional IR bench fitted

### Temperature:

Displayed in °C or °F. N/F = not fitted

### Atmospheric Pressure (ATM):

Is always displayed in mbar

When a calculation cannot be made due to an out of range value ----- will be displayed

KANE QUINTOX

HANDSET V1.00  
SERIAL No.  
8121424072

ANALYSER V1.00  
SERIAL No.  
999999106

DATE 08/09/14  
TIME 16:31:09

FUEL :  
NATURAL GAS  
ORIGIN UK

CO2	%	0.0
HC	PPM	0
CO	PPM	0
NO	PPM	902
NO2	PPM	2
NOx	PPM	904
SO2	PPM	0
H2S	PPM	-N/F-
O2	%	20.90
FLUE	-N/F-	
INLET	-N/F-	
AMBIENT	C	22.7
NETT	-N/F-	
LOSS	-N/F-	
DRY	-N/F-	
WET	%	-N/F-
CO LOSS	%	0.0
P INDEX %	0.00	
CO/CO2 R	0.0000	
EffC(N) %	0.00	
XAIR %	81.00	
Prs mbar	-2.60	
ATM mbar	1011.9	
GPS(X)+00000.000		
GPS(Y)+0000.0000		

## Printed Reports:

Produce comprehensive printed reports via integral printer, optional IR printer, or send full report directly to an Android™ Phone



## Wireless connectivity

Transfer live analyser readings to your PC or Android™ Phone using the "KANE LIVE" software or "Printer App for Android™" downloaded **FREE**



**THE KANE9206 QUINTOX IS A MODULAR SYSTEM & PRICING IS ON APPLICATION  
FOR MORE DETAILS PLEASE CALL US NOW**



Thank you for reading this data sheet.

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

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