

# KANE9206

## Quintox Flue Gas Analyser & Emissions Monitor



Independently tested by TÜV SUD to: EN50379



# Invest in your future

# KANE9206 Quintox Flue Gas Analyser & Emissions Monitor

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.



Wireless connectivity



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



## 1. The KANE9206 Quintox Standard Kit

KANE9206 Standard Kit Includes: Handset, Base Unit & Power Supply

Measures	O <sub>2</sub> 0-25%	CO (H <sub>2</sub> Compensated) 0-10000ppm	CO <sub>2</sub> (calculated) 0-20%	Temperature 0-1100°C	Pressure 0-150 mbar	Efficiency 1-100%
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## 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 KMCSPP6	Professional Probe 1 metre removable shaft KMCLP6	Professional Probe 285mm removable shaft KMCP6



## 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
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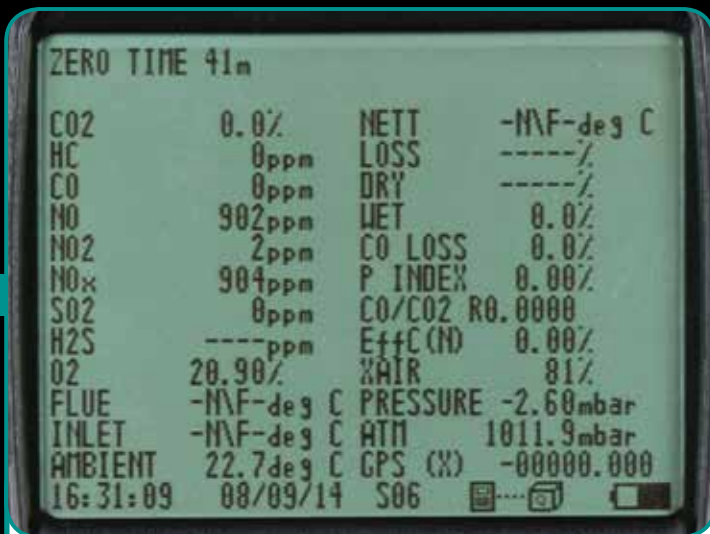


Hi/Lo CO Protection Solenoid & Pump KHPURQ Must be used with Infra-Red Module KHC/Q	Hi/Lo purge protection allows a standard ppm sensor to be fitted providing accurate readings at below 20ppm. When approaching over-range the solenoid operates & switches the gas flow to the electro-chemical sensor from 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
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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
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Heater - Toxic Sensors KHSA	Enables toxic sensors to operate effectively at below 0°C ambient temperature. The heater maintains temperature at +5°C
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### 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 U1.00  
SERIAL No.  
8121424072

ANALYSER U1.00  
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
S02	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.



**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.