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KANE9206

Quintox Flue Gas Analyser & Emissions Monitor



 **Made in the UK**
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 ₂ 0-25% | CO (H ₂ Compensated) 0-10000ppm | CO ₂ (calculated) 0-20% | Temperature 0-1100°C | Pressure 0-150 mbar | Efficiency 1-100% |
|----------|-------------------------|---|---------------------------------------|-------------------------|------------------------|----------------------|
|----------|-------------------------|---|---------------------------------------|-------------------------|------------------------|----------------------|

2. Select additional sensor options

The Quintox can be fitted with any combination of up to five additional electro-chemical sensors plus one complete infra-red module

| Optional Sensor Upgrades | NO (Hi Range) 0-5000ppm KNO1H/Q | NO (Lo Range) 0-100ppm KNO1L/Q | NO ₂ 0-1000ppm KNO2/Q | SO ₂ (Hi Range) 0-5000ppm KSO2H/Q | SO ₂ (Lo Range) 0-100ppm KSO2L/Q | H ₂ S 0-1000ppm KH2S/Q |
|--------------------------|---------------------------------------|--------------------------------------|--|--|---|---|
| Electro-Chemical Sensors | | | | | | |
| Infra-Red Module KHC/Q | CO 0-10% | HC 0-5000ppm | CO ₂ 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

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

| Optional Probes | 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 |
|-----------------|--|---|--|---|--|---|--|
|-----------------|--|---|--|---|--|---|--|



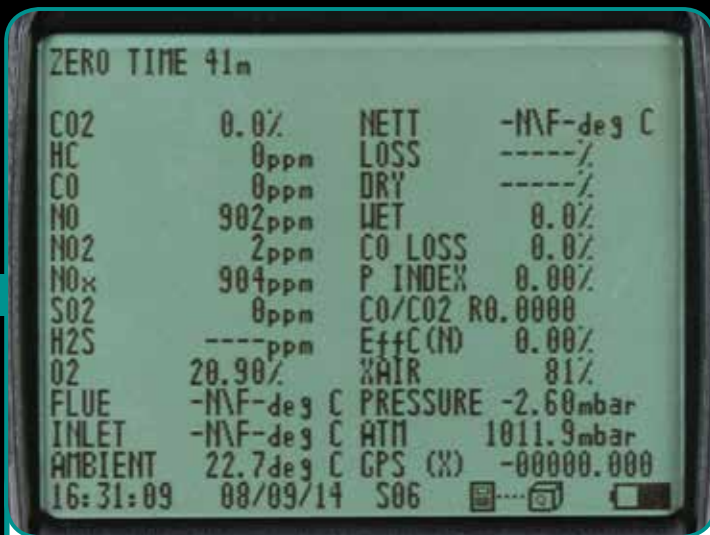
4. Optional upgrades

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 |
|---|--------------------------|-------------------------|
|---|--------------------------|-------------------------|



| | |
|--|--|
| 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 |



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** from the KANE web site www.kane.co.uk



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

01707 384810

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