



KANE975 Industrial Flue Gas Analyser



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KANE975 Industrial Flue Gas Analyser



- Latest Flue Gas Analyser technology with options for up to 7 gas measurements
CO (0-10,000 ppm), CO₂, O₂, NO, NO₂, SO₂ & H₂S
 - Ideal for larger installations
- Built in over-range protection
 - Prevents sensor damage
- Intuitive user keypad and buttons
 - For ease of use
- Large full colour graphic display
 - Customise to suit your requirement
- Gas Trend Screens
 - Display up to 4 parameters simultaneously ideal for long term monitoring

Applications

- Installation, commissioning & servicing of industrial/commercial oil, gas or biomass appliances
- Safety checks
 - CO in a room or around an appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue Draught

Measures

- O₂ 0-21%
- CO 0-10,000ppm (hydrogen compensated)
- Differential pressure
- Temperature - inlet / flue gas / differential / ambient

* Choose up to 5 additional sensors

- * CO 0-10%
- * NO 0-5,000ppm
- * SO₂ 0-100ppm
- * H₂S 0-200ppm
- * CO₂ 0-20%
- * NO₂ 0-1,000ppm
- * SO₂ 0-5,000ppm

Calculates

- CO₂ - 0-99%
- Excess air
- * NO_x (if NO sensor fitted)
- CO/CO₂ ratio
- Combustion efficiency

Fuel Types

- Natural Gas (x2)
- Wood Pellets
- Kinsale Gas
- Heavy oil
- LPG
- Coal
- Town Gas
- Bio Gas
- Gascor
- Propane
- User fuel (x5)
- Anthracite
- LPG
- Butane
- Coke
- 28 sec oil

Features

- Low energy wireless module
- Infra-red printer link with customised printer header
- Logs & stores up to 40,000 test results for easy transfer to PC
- Long life battery recharged in situ
- High suction double headed pump, ideal for high stack pressure in large chimneys
- Supplied with Teflon lined flue probe
- Heavy duty waterproof case with custom foam insert

Contents

- Analyser, probe, pressure connectors, charger, quick reference guide, calibration report, heavy duty case

Sensor options

- H₂S 0-200ppm
- High range CO sensor instead of standard CO sensor
- NO₂ sensor in place of any other toxic gas sensor
- SO₂ sensor in place of any other toxic gas sensor
- CO₂ Infra-red sensor: range 0-20%



Independently tested by
TUV SUD to: EN50379
Use for: BS7967



Flue Gas Analysis



Emission Monitoring



KANE975



KANE975 KIT

Low energy wireless module



- Transfer analyser readings to your Android device using KANE LIVE software downloaded free from www.kane.co.uk or Play Store
- Send printout data to your mobile device using the new FREE Kane printer app



Real Time Trending - upto 4 parameters



Product Specification

*1 Using dry gases at STP *2 Calculated

| Parameter | Resolution | Accuracy | Range |
|---|--|--|--|
| Temperature Measurement & Pressure Measurement | | | |
| Flue Temperature | 0.1°C | ±1°C ±0.3% reading | -50 - 1200°C with suitable probe |
| Inlet Temperature | 0.1°C | ±1°C ±0.3% reading | 0 - 50°C |
| Pressure | 0.1mbar | ±0.5% full scale | 150 mbar |
| Gas Measurement*1 | | | |
| Oxygen | 0.1% | ±0.3% | 0 - 25% |
| Carbon Monoxide H2 compensated | 1ppm | ±5ppm <100ppm ±20ppm <400ppm ±5% >400ppm - 2000ppm ±10% >2000ppm - 10000ppm | 0 - 10000ppm 10000 - 20000ppm for 15 mins |
| Carbon Monoxide High Range (optional) | 0.01% | ±5% of reading from 0.1% to 10% | 0 - 10% |
| Hydrogen Sulphide (optional) | 1ppm | ±5ppm <100ppm ±5% >100ppm | 0 - 200ppm |
| Nitric Oxide (optional) | 1ppm | ±5ppm <100ppm ±5% >100ppm | 0 - 5000ppm |
| Nitrogen Dioxide (optional) | 1ppm | ±5ppm <100ppm ±10ppm <500ppm ±5ppm >500ppm | 0 - 1000ppm |
| Sulphur Dioxide (optional) | 1ppm | ±5ppm <100ppm ±5% >100ppm | 0 - 5000ppm |
| Carbon Dioxide Infra-red (optional) | 0.1% | ±0.3% reading | 0 - 20% |
| Carbon Dioxide*2 | 0.1% | ±0.3% reading | 0 - 99.9% |
| Losses*2 | 0.1% | ±1.0% reading | 0 - 99.9% |
| Efficiency*2 | 0.1% | ±1.0% reading | 0 - 120% |
| Excess Air*2 | 0.1% | ±0.2% | 0 - 2885.0% |
| Temp (Nett)*2 | 1.0°C/F | ±2°C ±0.3% reading | 0 - 1200°C/32 - 2200°F |
| CO/CO2 ratio*2 | 0.0001 | ±0.0001 | 0 - 0.9999 |
| Poison Index*2 | 0.01% | ±0.01 | 0 - 99.99 |
| Pre-programmed Fuels | Natural Gas (x2), Town Gas, Gascor, Light Oil, Heavy Oil, Propane, Butane, Anthracite, Coke, Coal, Kinsale Gas, User Fuel (x5) | | |
| Dimensions Weight Handset Probe | 1.2kg 240mm x 165 x 65 Dia 8mm with 285mm long stainless steel shaft, type K thermocouple & 3m long neoprene hose | | |
| Ambient Operating Range | -5°C to +50°C/10% to 90% RH non condensing | | |
| Power Supply (battery charger) | Input: 110Vac/220 Vac nominal Output: 12 Vac off load | | |
| Battery Life | >6 hours from full charge | | |

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