



KANE975 Industrial Flue Gas Analyser



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KANE975



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

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

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 8,000 test results to 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

Contents

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

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



Commissioning



Emission Monitoring



Real Time Trending

Low energy wireless module

- KANE LIVE for Android
- Printer app for Android & iOS

Optional sensor upgrades

See sensor options



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Optional probe: KMCHLP6 1m high temperature probe with removable shaft

- 8mm diameter
- 4m neoprene hose

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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