



KM900PLUS

Combustion Analyzer

MAXIMIZE INDUSTRIAL BOILER PERFORMANCE

■ **New!!**

- Now add 2 toxic gas sensors in addition to installed O₂ and CO sensors

■ **Measures:**

- Oxygen (O₂), Carbon Monoxide, Inlet Temperature, Flue Temperature, and Draft.

■ **Calculates:**

- Efficiency, Carbon Dioxide (CO), Losses, Excess Air, CO/CO₂, Poison Index, Net Temperature, Differential pressure or draft pressure.

■ **Features**

- Memory to store 150 test results
- IR link to optional Printer
- Long-life Rechargeable Battery

■ **Customize to your needs:**

- Base model includes: O₂, Hydrogen compensated CO (0~10,000ppm), and Differential/Draft pressure.
- Add up to two additional toxic gas sensors;
 - N01 0 ~ 5,000ppm
 - N01 low range 0 ~ 100ppm
 - N02 0 ~ 1,000ppm
 - S02 0 ~ 5,000ppm
 - S02 low range 0 ~ 100ppm



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The KM900PLUS handheld analyser is easy to use for domestic and industrial boiler flue gas measurement and analysis. It operates on all boiler types and can display 8 parameters simultaneously showing measurements and calculations of boiler efficiency and pollution.

The KM900PLUS measures O₂, CO, flue and nett temperature and calculates CO₂, boiler efficiency, excess air and losses. CO is measured with a hydrogen compensated sensor for increased accuracy.

The KM900PLUS has the following features:

- Measures O₂ and CO
- Calculates CO₂, efficiency and excess air
- 0 to 10,000 ppm H₂ compensated CO sensor
- Large 4 line display
- Long life rechargeable battery
- Large cordura case
- 150 memory positions
- One year limited warranty
- Two year limited warranty on O₂ sensor

Options: up to 2 additional sensors

GAS	RANGE	PART#
NO1	0~5,000ppm	13251*
NO1 low range	0~100ppm	18079*
NO2	0~1,000ppm	10533
SO2	0~5,000ppm	13910
SO2 low range	0~100ppm	18131

*NOX will be calculated only if NO1 sensor is installed.

Specifications

Parameter	Resolution	Accuracy	Range
Temp. Measurement			
Flue Measurement with probe	1.0°F/C	±2.0°F/C, ±0.3% of rdg	32° - 1112°F (0° - 600°C)
Inlet Temperature	0.1°F/C	±1.0°F/C, ±0.3% of rdg	32° - 122°F (0° - 50°C)
Pressure (standard)	0.1 mbar	±2% of full scale	+150 mbar to -150 mbar
Gas Measurement*1			
Oxygen (O ₂)	0.1%	±0.2%	0 - 21%
Carbon Monoxide (CO) (standard: H compensated)	1 ppm	±20 ppm <400 ppm ±5% >5000 ppm ±10% <5000 ppm	0 - 10,000 ppm
Nitric Oxide (NO) (optional)	1 ppm	±5 ppm <100 ppm ±5% >100 ppm	0 - 5000 ppm
Nitric Oxide (NO) (Low range)(optional)	1 ppm	±2 ppm <30 ppm	0 ~ 100 ppm ±5 ppm <30 ppm
Nitrogen Dioxide (optional)	1 ppm	±5 ppm <100 ppm ±10 ppm <500 ppm ±5% >500 ppm	0 ~ 1000 ppm
Sulphur Dioxide (optional)	1 ppm	±5 ppm <100 ppm ±5% >100 ppm	0 ~ 5000 ppm
Calculations			
Carbon Dioxide*2	0.1%	±0.3% reading	0 ~ 99.9%
Losses	0.1%	±1.0% reading	0 ~ 99.9%
Efficiency	0.1%	±1.0% reading	0 ~ 99.9%
Excess Air	0.1%	±0.2%	0 ~ 2885.0%
Temp (Nett)	1.0°C/F	±2°C ±0.3% reading	32 ~ 1112°F (0 ~ 600°C)
CO/CO ₂ Ratio	0.0001	±0.0001	0 ~ 0.9999
Poison Index	0.01%	±0.01	0 ~ 99.99
Parameter Description			
Preprogrammed fuels	Natural Gas, Town Gas, Gascor, Light Oil, Heavy Oil, Propane, Butane, Anthrocite, Coke, Coal, Kinsale Gas		
Dimensions:	Weight	1 Kg	
	Handset	220 x 55 x 120 mm	
	Probe	(L) 420 x (Dia) 8mm with stainless steel shaft, K-type thermocouple and 3m hose	
Ambient operating range	0°C to 45°C/10% to 90% RH non condensing		
Power supply (Battery charger)	Input: 110V AC / 220V AC nominal Output: 12V AC off load		
Battery life	>6 hours from full charge		

Distributed By:



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