



## Upgradeable industrial emissions analyzer with heavy duty pump



### Functions

- Measures O<sub>2</sub> 0 to 21%
- Measures CO 0 to 4,000 ppm (hydrogen compensated)
- Measures Differential pressure
- Measures Temperature - inlet/flue gas/differential
- Calculates CO<sub>2</sub>
- Calculates CO/CO<sub>2</sub> ratio
- Calculates Excess air
- Calculates Combustion efficiency
- Choice of 2 additional sensors

### Features

- Infrared printer link w/ customized printer head
- Logs and stores 150 test results
- Long life battery
- Large character display
- High suction double headed pump
- Supplied with flouroplastic lined flue probe
- 16.5" probe
- Fuel types: Natural gas, butane, propane, LPG, 28 sec oil, 35 sec oil, heavy fuel, solid fuel, user defined fuel
- 1-Year limited warranty

K945 Sensor Options

UEi Part #	K945	K945CON	K945CONOX	K945CONS	K945CO%	K945COS
UPC	05353350761	05353350766	05353350767	05353350768	05353350769	05353350770
O <sub>2</sub> Sensor	X	X	X	X	X	X
CO Sensor	X	X	X	X	X	X
Pressure	X	X	X	X	X	X
Temperature	X	X	X	X	X	X
NO		X	X	X		
NO <sub>2</sub>			X			
SO <sub>2</sub>				X		X
CO (High Concentration)					X	

### Applications

- Installation, commissioning and service of industrial /commercial oil, gas or biomass appliances
- Safety checks - CO in a room or around appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue draft





### Includes

- Analyzer
- Probe
- Charger
- Manual
- Calibration report
- Carrying case



### Optional Accessories

- IRP-2 (Easy Load Fast Printer - IR Link)

## Specifications

Parameter	Resolution	Accuracy	Range
Flue Temperature 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	0.1 mbar	±2% of full scale	±150 mbar

### Gas Measurement\*1

Oxygen (O2)	0.001	±0.2%	0 - 21%
Carbon Monoxide (CO) (standard: H compensated) (optional)	1 ppm	±20 ppm <400 ppm ±5% >5000 ppm ±10% <5000 ppm	0 - 10,000 ppm
Carbon Monoxide (CO) (High range) (optional)	0.0001	±5% reading from 0.1% to 10%	0 ~ 10%
Nitric Oxide (NO) (standard)(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 ±5 ppm <30 ppm	0 ~ 100 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	0.001	±0.3% reading	0 ~ 99.9%
Losses	0.001	±1.0% reading	0 ~ 99.9%
Efficiency	0.001	±1.0% reading	0 ~ 99.9%
Excess Air	0.001	±0.2%	0 ~ 2885.0%
Temp (Nett)	1.0°C/F	±2°C ±0.3% reading	32 ~ 1112°F (0 ~ 600°C)
CO/CO2 Ratio	0.0001	±0.0001	0 ~ 0.9999
Poison Index	0.0001	±0.01	0 ~ 99.99
Preprogrammed fuels	Natural Gas, Town Gas, Gascoir, 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	Input: 110V AC / 220V AC nominal		
(Battery charger)	Output: 12V AC off load		
Battery life	>6 hours from full charge		

\* Toxic gas sensors need to be specified at time of purchase or may be added at a later time.

## Downloads



Data Sheet



Made in UK