

KM940

Combustion Analyzer

TAKE CONTROL OF INDUSTRIAL BOILER EFFICIENCY & POLLUTION

New

- Optional high range CO sensor 0~10%
- High suction double-headed diaphragm pump
- Now add up to 3 toxic gas sensors

Measures:

• Oxygen (O2), Inlet Temperature, Flue Temperature, Differential Pressure (draft)

Calculates:

 Efficiency, Carbon Dioxide (CO), Losses, Excess Air, CO/CO2, Poison Index, Net Temperature Differential

Features

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

Customize to meet your needs:

- Standard model comes with 02 and Differential Pressure (draft)
- Add up to 3 sensors:
 - CO Hydrogen compensated
 - CO High range (reads in %)
 - NO1, or NO1 low range
 - NO2, or NO2 low range
 - S02



KM940 • Combustion Analyzer

The KM940 handheld analyser is ideal for 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 KM940 base unit measures 02, flue and nett temperature and calculates CO2, boiler efficiency, excess air and losses. Specify the toxic gas sensors to meet your needs.

The KM940 has the following features:

- Measures 02 and CO
- Calculates CO2, efficiency and excess air
- Large 4 line display
- Long life rechargeable battery
- Large cordura case
- 150 memory positions
- One year limited warranty
- Two year limited warranty on 02 sensor

Options:

Up to 3 additional sensors

GAS	RANGE	PART#
CO Hydrogen Compensated	0 ~ 10,000ppm	12933
CO High Range	0 ~ 10%	13911
NO1	0 ~ 5,000ppm	13251
NO1 Low Range	0 ~ 100ppm	18079
N02	0 ~ 1,000ppm	10533
S02	0 ~ 5,000ppm	13910
SO2 Low Range	0 ~ 100ppm	18131

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

Specifications

Paramet	ter	Resolution	Accuracy	Range		
Measureme	Measurement					
Flue Measurement		1.0°F/C	±2.0°F/C, ±0.3% of rdg	32° - 1112°F		
with probe				(0° - 600°C)		
Inlet Tempera	Inlet Temperature		±1.0°F/C, ±0.3% of rdg	32° - 122°F		
		•		(0° - 50°C)		
Pressure	Pressure		±2% of full scale	+150 mbar to -		
				150 mbar		
Gas Measur	Gas Measurement*1					
Oxygen (02)			±0.2%	0 - 21%		
Carbon Mono	oxide (CO)	1 ppm	±20 ppm <400 ppm	0 - 10,000 ppm		
(standard: H co			±5% >5000 ppm	''		
(optional)	· ' / I		±10%<5000 ppm			
Carbon Mono	oxide (CO)	0.01%	±5% reading from	0 ~ 10%		
	(High range)(optional)		0.1% to 10%			
Nitric Oxide (_	1 ppm	±5 ppm <100 ppm	0 - 5000 ppm		
(standard)(option	′		±5%>100 ppm	,,		
Nitric Oxide (1 ppm	±2 ppm <30 ppm	0 ~ 100 ppm		
	(Low range)(optional)		±5 ppm <30 ppm	о 100 рр		
Nitrogen Diox	,	1 ppm	±5 ppm<100 ppm	0 ~ 1000 ppm		
Title og chi bio/	uuc	ı ppiii	±10 ppm<500 ppm	o looo ppiii		
(optional)			±5%>500 ppm			
Sulphur Dioxi	do	1 ppm	±5 ppm<100 ppm	0 ~ 5000 ppm		
	ue	т ррпп	l	0 ~ 3000 ppiii		
(optional) Calculations			±5%>100 ppm			
Carbon Dioxid		0.1%	±0.3% reading	0 ~ 99,9%		
	ue·z	0.1%	±1.0% reading	0 ~ 99.9%		
Losses				0 ~ 99.9%		
Efficiency Excess Air		0.1%	±1.0% reading ±0.2%			
		0.1%		0 ~ 2885.0%		
Temp (Nett)		1.0°C/F	±2°C ±0.3% reading	32 ~ 1112°F		
CO/CO2 Dati		0.0001	. 0 0001	(0 ~ 600°C)		
CO/CO2 Ratio)	0.0001	±0.0001	0 ~ 0.9999		
	Poison Index		±0.01	0 ~ 99.99		
Parameter	16.1	Description	C C 1:1:0111	0.1.0		
Preprogramm	ned fuels	Natural Gas, Town Gas, Gascor, Light Oil, Heavy Oil, Propane,				
		Butane, Anthrocite, Coke, Coal, Kinsale Gas				
Dimensions:		1 Kg				
	Handset	220 x 55 x 120 mn				
	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				





1-800-547-5740 • Fax: (503) 643-6322 www.ueitest.com • Email: info@ueitest.com

N CANADA

Vancouver: Phone: 1-877-475-0648 • (604) 278-4511 • Fax: (604) 278-8299 Toronto: Phone: 1-877-475-0648 • (905) 238-6760 • Fax: (905) 238-5117



Phone: +44 1707 375550 • Fax: +44 1707 393277

