

**Precision Combustible Gas Detector**

KANE-MAY



- Precision combustible detector locates the source of even the most difficult gas escape
- Easy to use one-handed operation
- Long goose neck probe for hard to reach areas
- Solid state sensor for reliability
- Audio and visual indication
- Thumbwheel operation eliminates background gas
- Ultra sensitive tip to 50ppm methane

**New**

- Operator calibration of gas percentage settings for alarm levels

<b>Power Supply</b>	Four AA-sized alkaline batteries
<b>Sensitivity</b>	< 50ppm methane
<b>Sensor</b>	Solid state
<b>Level indicators</b>	Six LED's moving from green at low concentration through yellow to red. Level is adjustable and hence does not give concentration reading.
<b>Alarm</b>	Visual and audio at approximately 10% of L.E.L. with an absolute maximum of 40% L.E.L. fo methane. Can be calibrated for other concentration or gases
<b>Warm-up</b>	Approximately 1 minute
<b>Response time</b>	Less than 2 seconds (from 40% L.E.L.)
<b>Recovery time</b>	Less than 4 seconds (from 40% L.E.L.)
<b>Duty cycle</b>	Continuous
<b>Battery life</b>	Approximately 12 hours
<b>Dimensions</b>	80 x 220 x 60mm
<b>Weight</b>	450g
<b>Probe length</b>	400mm
<b>Accessories</b>	Carry case Earphone Alkaline batteries Instruction manual

TS15

Mfrs. List No.	Order Code	Price Each			
		1+	3+	6+	12+
LS1	325-6157				

**Combustible Leak Detector**

KANE-MAY



- Simple adjustable 'tick rate' increases as the sensor tip approaches a leak
- Detects Methane, natural gas, butane and propane
- Long 400mm gooseneck for hard to reach places
- 'Tip-light' illuminates the area of the leak
- Sensor provides accurate detection
- Rubber boot protects instrument

<b>Solid State, low power semiconductor sensor</b>	Sensor sensitivity: 50 ppm (Methane) Typical sensor life : 3 years Reaction time: <1 second
<b>Gases sensed (Partial list)</b>	Methane, Natural Gas, Ammonia, Hydrogen, Propane, Acetone, Petrol, Refrigerants, Ethylene, Halon, Laquer, Thinners, Industrial Solvents, Alcohol, Jet fuel
<b>Red LED</b>	Flashes to indicate gas presence. ON continuously indicates low battery
<b>Audible indicator</b>	From internal speaker, increased 'tick-rate' with gas presence. Optional ear-piece for noisy environments
<b>Green LED indicator</b>	Indicates power on
<b>Battery type</b>	1 x 9 volt battery (PP9)
<b>Battery life</b>	>5 hours continuous
<b>Flexible gooseneck</b>	400mm/18" reach Bright LED incorporated in sensor head
<b>Dimensions</b>	100mm x 205mm x 36mm/ 4" x 8" 1.5"
<b>Weight</b>	460 grams /15oz

TS16

Mfrs. List No.	Order Code	Price Each			
		1+	3+	6+	12+
CD100A	325-6145				

**Combustion Gas Analysis, Kit Form**



An electronic combustion gas analyser for the control of burner efficiencies and the measurement of environmental emissions from boiler plants. Under the 1990 Environmental Protection Act (EPA) there is increasing legislative control of a wide range of new and existing industrial and commercial processes.

These robust and easy-to-use analysers are a modern alternative to chemical absorption methods and dramatically speed up burner set-up and servicing times, providing a digital display and printer read-out. Suitable for a wide range of burners capable of operating on standard fuels, the logically-arranged keypad ensures ease of operation. Upon switch on, the analyser will autopurge any residual gas from

the sample lines on a one minute cycle and self-calibrate relative to the choice of fuel selected, the probe inserted to the flue and the pump started. A reading is available within a few seconds and a printout can be taken of all values measured.

The instrument can operate from either its internal battery (Approximately 3 hours running) with charge-state indicator or from a mains charger to provide total flexibility of use.

- Robust easy-to-use gas analyser
- Large 4-line display

**Provides a full digital readout of the following**

- Flue gas temp (°C)
- Carbon dioxide (CO<sub>2</sub>)
- Excess air (%)
- Oxygen content (O<sub>2</sub>)
- Draught
- Differential pressure 300XL only
- Differential temp 300XL only
- Carbon monoxide (CO)
- Ambient temp (°C)
- Combustion efficiencies (%)
- Ratio CO/CO<sub>2</sub>

**Temperature measurement**

Measuring range	-40 to +1200°C
Accuracy	±0.5°C (0 to +99.9°C) ±0.5% of m.v. (from +100°C) 0.1°C/1°C (from +1000°C)
Resolution	Type K thermocouple (NiCr-Ni) to DIN IEC 584, Part 2, Class 1

**Draught/pressure measurement**

Meas. range	±80 mbar
Resolution	0.01 mbar
Accuracy	±0.03 mbar
Max. overload	1 bar

**Gross/Net efficiency (ETA)**

Meas. range	0 to 120%
Resolution	0.1%

**O<sub>2</sub> measurement**

Meas. range	0 to 21 vol. %
Accuracy	±0.2 vol. % absolute
Resolution	0.1 vol. %
Response time t <sub>90</sub>	Approx. 40s

**CO<sub>2</sub> measurement**

Display range	0 to CO 2 max
Accuracy	±0.2 vol. %
Resolution	0.01 vol. %
Measurement	Digital calculation from O <sub>2</sub>
Response time t <sub>90</sub>	Approx 40s

**CO measurement (with H<sub>2</sub> compensation)**

Meas. range	0 to 8000 ppm
Accuracy	±20 ppm (to 400 ppm) ±5% of m.v. (to 2000 ppm) ±10% of m.v. (to 8000 ppm)
Resolution	1 ppm
Response time t <sub>90</sub>	Approx. 60s

**NO measurement**

Meas. range	0 to 3000 ppm
Accuracy	±5 ppm (to 100 ppm) ±5% of m.v. (to 3000 ppm) ±10% of m.v. (to 3000 ppm)
Resolution	1 ppm
Response time t <sub>90</sub>	Approx. 60s

**Additional measuring ranges in 300XL**

Meas. range	±80 mbar
Resolution	0.01 mbar
Accuracy	±0.03 mbar

Sets contain Testo300 combustion analyser, mains unit, compact 500°C flue probe and instrument case.

Infrared printer available as an optional extra.

TE070

Mfrs' List No.	Order Code	Price Each			
		1+	3+	6+	12+
300M Kit	722-1113				
300XL Kit	722-1125				
Printer	717-4860				