



# Essential Instruments

## KANE 250 Combustion Analyser



- Unique, easy to use rotary switch
- Multi fuel: gases, oils and wood pellets
- Accurately measures O<sub>2</sub>, CO and temperature
- Calculates CO<sub>2</sub>, CO/CO<sub>2</sub> ratio, excess air and efficiency for all boilers including condensing
- Memory facility
- Infra-red output to optional printer
- Personalised printout header
- Includes protective rubber sleeve with magnet, KMCP2 flue probe and AA batteries

### Options include

- See page 3 for temperature probes
- See page 4 for Spares and Accessories.

**KANE250**

## KANE 250 Combustion Analyser Kit

- Kit includes KANE250 combustion analyser, KANEIRP printer, 4 x NiMH rechargeable batteries, 220v charger and carry case.
- Oil Kit includes all the above plus KANE MSP manual smoke pump, 300psi pressure gauge, manifold, compound gauge (pressure and vacuum), high pressure hose, 2 x adapters in a larger carry case.



**KANE250 KIT**

**KANE250 OIL KIT**

## KANE 425 Boiler Analyser



As the KANE250 but with the following upgrades...

- Simple 9 position rotary switch
- Large 4 line display with back light
- Differential thermometer
- High accuracy diff. pressure meter,  $\pm 80$  mbar
- Separate reports for Combustion, Pressure, Let-by / Tightness, Temperature and Room CO
- "Send" button for instant printout and logging

### Options include

- Plug-in gas leak detector
- Bluetooth™ module and software
- Pipe probes, etc
- Kit includes same items as the KANE250 Kit

**KANE425**

**KANE425 KIT**

**KANE425 OIL KIT**



## KANE 450 Boiler Analyser

As the KANE250 but with the following upgrades...

- Large 4 line display with back light
- Differential thermometer
- High accuracy diff. pressure meter,  $\pm 80$  mbar
- Separate reports for Combustion, Pressure, Tightness, Temperature and Room CO
- Fitted with 0-4,000ppm CO sensor

### Options include

- Nitric oxide (NO) sensor
- $\pm 160$  mbar pressure sensor
- Plug-in gas leak detector
- Bluetooth™ module and software
- Kit includes same items as the KANE250 Kit



**KANE450**

**KANE450 KIT**



## KANE 900+ Upgradeable Combustion Analyser

- Rugged, handheld analyser
- Multi fuel: gases, oils, coals and user fuel
- Optional NO, NO<sub>2</sub> or SO<sub>2</sub> sensors, (any two)
- Measures differential pressure,  $\pm 150$  mbar
- Memory stores 150 tests
- Infra-red output to optional printer
- Includes protective rubber sleeve, flue probe, 220v charger and carry case
- PC download kit available



**KANE900+**

**NO/NO<sub>2</sub>/SO<sub>2</sub> sensors**

**Software kit, from**

## KANE 940 Multi-Gas Emissions Analyser

- Measures O<sub>2</sub>, temperature and differential pressure
- Calculates CO<sub>2</sub>, excess air and efficiency
- Optional sensors include CO, NO, NO<sub>2</sub>, SO<sub>2</sub> (any three)

Upgrades over the KANE900+ to increase emissions monitoring performance include...

- High suction double headed pump
- Teflon lined flue probe hose



**KANE940**

**CO/NO/NO<sub>2</sub>/SO<sub>2</sub> sensors**

**Software kit, from**



### KANE CO-Sense

- Low cost and easy to use
- Detects ambient carbon monoxide
- Auto zeros when switched on
- Green LED indicates battery OK / power on
- Red LED indicates CO detected
- Audible bleep indicates CO detected
- Supplied with 2 x AA batteries



**Kane CO-Sense**

### KANE C075 Carbon Monoxide Meter

- Pocket size and easy to use
- Measurement range 0-999ppm
- Records maximum CO level
- Data hold
- Alarm facility
- Backlight
- Auto power off
- Supplied with protective rubber boot and soft carry case



**C075/UK**

### KANE C091 Carbon Monoxide Analyser

- Rotary switch for ease of use
- Internal pump for quick response
- Measures ambient CO levels and CO in flue gas. Range 0-2000ppm
- Records maximum CO level
- Can measure temperature, 0-600°C. (Optional type K probe required)
- Infra-red output to optional printer
- Supplied with sampling probe and AA batteries



**C091/UK**

### KANE 100-1 Ambient CO and CO<sub>2</sub> Analyser

- Measures and logs ambient CO and CO<sub>2</sub>
- Infra-red sensor measures CO<sub>2</sub> directly
- CO range 0-2000ppm
- CO<sub>2</sub> range 0-9999ppm
- Proves that flueless gas appliances are operating safely
- Measures indoor air quality in buildings
- Infra-red output to optional printer
- Supplied with sampling probe, 220v charger and carry case.

**NEW**



**Optional extra**

- KANE Infra-red printer

**KANE 100-1**

### KANE Leak-Sense

- Low cost and easy to use
- Detects any combustible hydrocarbon gas
- Auto zeros when switched on
- Green LED indicates battery OK / power on
- Red LED indicates combustible gas detected
- Audible bleep indicates combustible gas detected
- Supplied with 2 x AA batteries



**KANE Leak-Sense**

### Leak-Seeka Combustible Gas Leak Detector

- Pinpoints leaks of any combustible gas as low as 10ppm methane
- One handed operation using thumbwheel to set "tick" rate
- Flexible goose neck with illuminated tip to find awkward leaks
- Audible and visual alarm for operator safety
- Supplied with earpiece and soft carry case



**LS1/B**

### Gas Alarms

- Single channel gas specific alarms are available for CO<sub>2</sub>, combustible gases and most refrigerant types

**NEW**



**CO<sub>2</sub> version**

**Ring for details of other versions**

### RD99 Refrigerant Leak Detector

- Detects CFC's, HFC's and HCFC's including R11, R22, R134A, etc
- High sensitivity setting will locate leaks down to 3gm/year of R134A
- Flexible gooseneck probe
- Easy one handed operation
- Audible and visual indicators
- Rubber sleeve protects instrument and probe



**RD99**

## DM391 / DM393C Professional Multimeter

- Auto ranging with manual override
- AC/DC volts up to 1000V
- AC/DC amps down to 0.1µA
- Resistance, frequency, capacitance, continuity
- Protected to 1000V Cat III
- Includes test leads and alligator clips
- DM393C measures true RMS and temperature



**DM391**

**DM393C**

**Soft carry case**

## DL49 Compact Clamp-on Multimeter

- 30mm Jaw capacity
- Auto ranging
- AC/DC amps to 400A
- AC/DC volts to 600V
- Resistance, continuity
- Data hold function
- Protected to 600V Cat III
- Includes test leads, alligator clips, holster

**NEW**



**DL49**

## PDT550 Digital Thermometer

- Measures -50 to +300°C
- Waterproof
- Stainless steel probe with detachable cover
- Built in magnet
- Max/min recording
- Data hold
- Auto power off
- Available in 5 different colours



**NEW**

**PDT550**

## INF151 / INF200 Infra-red Thermometers



- Instant surface temperature readings, squeeze the trigger and aim using the laser dot
- Wide temperature range -40°C to +420°C
- Distance to spot ratio 8 to 1
- INF200 has hold/max/min/average/differential temperature and memory functions
- INF200 supplied with carry case

**INF151**

**INF200**

## DT150 / DT200 Digital Thermometers

- Rugged design with protective sleeve and tilt stand
- Range -200 to +1370°C for type K
- Backlit display
- Data hold
- Max/min record facility with timer
- Accepts type J, K and T thermocouples
- DT150 is single input with a dual display
- DT200 is dual input with a triple display
- DT200 displays T1, T2 and ΔT



**DT150**

**DT200**

## DT200 H & V Kit

Kit includes...

- DT200 differential thermometer
- 1 x KAL1 air liquid probe
- 1 x KSP1 surface probe
- 1 x KFT1 thermocouple wire probe
- 2 x KWA1 velcro pipe probe
- All housed in a robust, foam lined carry case



**DT200 H & V Kit**

## Temperature Probes Type K

Probe type	Part No.	Temp Range °C	Response Time (sec)	Stem Length (mm)	Stem Dia. (mm)	Lead Length (m)
Light duty surface probe	KSP1	-50°C to +500°C	0.8	100	3.3	1.0
Heavy duty surface probe	KSP2	-50°C to +500°C	0.8	100	13	1.0
Chisel probe	KCP1	-50°C to +500°C	2	100	3.3	1.0
Air or liquid probe	KAL1	-50°C to +500°C	0.5	100	3.3	1.0
Wrap around probe	KWA1	-50°C to +250°C	10	N/A	-	1.0
Pipe probe	KPCP	-50°C to +500°C	10	N/A	-	1.0

**NEW**



### KANE3100 Differential Pressure Meters

- Temperature compensated for high accuracy
- Five models all with logging facility
- 3100-1 and 3100-2 have a timed let-by, stabilisation and tightness test feature
- Can display in 7 different pressure units
- High/low resolution and smoothing features
- Infra-red output to optional printer
- Supplied with rubber hose and protective pouch

**Optional extra**

- KANE Infra-red printer

**3100-1 ±80 mbar**

**3100-2 ±160 mbar**

**3100-5 ±400 mbar**

**3100-15 ±1200 mbar**

**3100-30 ±2400 mbar**



### M3005 Differential Pressure Meter



- Measures positive, negative and differential pressure to ±138mbar
- Can also display readings in bar, mmH2O, inH2O and psi
- One touch zero function
- Data hold function
- Max/Min record facility with timer
- Supplied with protective rubber boot and rubber hose

**M3005**

### KANE Infra-red Printers

- Rugged, battery powered printers fitted with protective rubber sleeves and magnets
- KANE IRP uses thermal paper
- KANE IMPRINT uses standard paper roll and ink ribbon
- Both are compatible with all Kane handheld instruments with an infra-red output
- KANE IMPRINT is supplied with rechargeable batteries, battery charger, a standard paper roll and a twin ply paper roll



**KANE IRP**

**KANE IMPRINT**

### KANE MSP Manual Smoke Pump



- Manual smoke test kit for testing oil fired boilers
- Supplied with 50 smoke test papers, smoke scale and carry case

**KANE MSP**

### Combustion Analyser Spares and Accessories

Part No.	Description	Price
KMCU250/UK	220 volt AC charger/mains adapter for KANE 250/425/450	
KMCU450/12	12 volt in-vehicle charger for KANE 250/425/450	
B15	4 x NiMH rechargeable AA batteries for KANE 250/425/450	
17820	Carry case for KANE 250/425/450	
GLD/450	Plug-in gas leak detector for KANE 425/450	
TP5	Pack of 5 thermal paper rolls for KANE IRP printer	
PF400/5	Pack of 5 particle filters for KANE 250/400/425/450	
PF2/10	Pack of 10 particle filters for KANE 800/900/9100 series	
KMCP2	Flue probe with 6mm diameter shaft for KANE 250/400/425/ 450/800	
KMCP10	Flue probe with 8mm diameter shaft for KANE 900 series	

Available from:



*it's easy with Kane*

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Specifications and prices are subject to change without notice. Issued March 2008.

