

# KANE425 Analyser

*it's easy with Kane*

# 425

GAS ANALYSERS

O<sub>2</sub>  
CO  
CO<sub>2</sub>  
CO/CO<sub>2</sub>  
Efficiency  
Diff. Temp  
Diff. Pressure

## Features

- Easy to use rotary switch
- Protective rubber sleeve with magnet for "hands free" use
- Multi-fuel: Natural Gas, Propane, Butane, LPG, Light Oils (28/35 sec)
- High accuracy manometer
- Differential thermometer
- "Send" button for instant printout and logging
- Separate reports for:  
Combustion  
Pressure  
Let-by and Tightness  
Temperature  
CO build up
- Battery life typically 12+ hours
- Designed to meet BS7927, BS7967 and EN50379
- 5 year extended warranty if serviced annually by Kane

## Optional Extras

- Plug-in gas leak detector
- KMIRP infra-red thermal paper printer
- KANE ImPrint infra-red plain paper printer
- Bluetooth™ module
- NiMH rechargeable batteries
- 220v fast charger
- 12v in-vehicle charger
- Range of temperature probes



# The most user friendly "6 in 1" analyser available

K425 1.0  
YOUR COMPANY NAME &  
PHONE NUMBER HERE

TEST 10  
DATE 15/05/06  
TIME 12:00:08

### COMBUSTION

FUEL	NAT	GAS
O2 %		5.4
CO2 %		8.8
CO ppm		12
FLUE °C		55.1
INLT °C		17.2
NETT °C		37.9
EFF (C)		98.3
LOSSES		1.7
XAIR %		34.8
CO/CO2		0.0001
PRS mBAR		0.00

Customer  
Appliance  
Ref.

### Combustion Analyser (#1)

- Select "Ratio" on the rotary switch to view current fuel, CO/CO<sub>2</sub> ratio, CO, and CO<sub>2</sub>
- Select "O<sub>2</sub>/Eff" to view O<sub>2</sub>, temperatures and efficiency
- Select "Aux" to view any 4 parameters, user selectable
- Measures O<sub>2</sub>, CO, inlet and flue temperatures
- Calculates CO<sub>2</sub>, CO/CO<sub>2</sub> ratio, excess air, losses and combustion efficiency, (nett, gross or condensing)
- Multi fuel - Natural gas, Propane, Butane, LPG and Light Oils (28/35sec)
- Readings can be printed via an infra-red printer, (see printout example)
- Memory stores up to 99 combustion tests

### CO Meter (#4)

- Calibrate the analyser in fresh air to set the CO sensor to zero
- Select "Ratio" to check the ambient CO level in a room
  - Select "Room CO" to perform a 15 minute CO test
  - The CO level is logged at 1 minute intervals
  - "Room CO" tests are automatically stored in the memory
  - Tests can be printed via an infra-red printer, (see printout example)
  - Memory stores up to 20 "Room CO" tests

### Gas Leak Detector (#5), optional

- Plug-in, handheld unit with the sensor at the tip of a flexible shaft
- LED's and a variable buzzer enable the user to pinpoint a gas leak
- Can detect leaks down to 50ppm of methane / natural gas



### Differential Pressure Meter (#2)

- Select "Prs" on the rotary switch for high accuracy single or differential pressure readings
- Range ± 80mBar, maximum resolution 0.001mBar  
Ideal for difficult applications such as flue draught
- Readings can be smoothed to damp out pressure pulsing  
Ideal for setting air/gas ratio valves
- Display includes a clock for manual timing, let-by test
- Readings can be printed via an infra-red printer, (see printout example)
- Memory stores up to 20 pressure tests
- Select "Tightness" to perform a let-by test and stabilisation/tightness test
- The let-by period defaults to 1 minute  
The stabilisation period defaults to 1 minute  
The tightness test period defaults to 2 minutes  
All 3 times can be adjusted by the user
- Tests are automatically stored in the memory
- Tests can be printed via an infra-red printer, (see printout example)
- Memory stores up to 20 "Tightness" tests

### Differential Thermometer (#3)

- Select "Diff Temp" to view flow (T1), return (T2) and differential (ΔT) temperatures
- Temperature probes are available to measure air, liquid and surface (pipe) temperatures
- Ideal for Benchmark log book
- Readings can be printed via an infra-red printer, (see printout example)
- Memory stores up to 20 differential temperature tests

### Torch Light (#6)

- Never got a torch when you need one? You have now!
- The KANE425 has a backlit display and an inbuilt LED torch

K425 1.0  
YOUR COMPANY NAME &  
PHONE NUMBER HERE

**PRESSURE**  
TIME 12:56 15/05/06  
PRS mBAR -0.037  
Customer  
Appliance  
Ref.

K425 1.0  
YOUR COMPANY NAME &  
PHONE NUMBER HERE

**Tightness Test**  
LOG TIME 11:53 15/05/06  
PRS\_1 mBAR 20.33  
PRS\_2 mBAR 20.26  
ΔPRS mBAR -0.07  
STABIL'N MINS 1:00  
TIGHTN'S MINS 2:00  
Customer  
Appliance  
Ref.

K425 1.0  
YOUR COMPANY NAME &  
PHONE NUMBER HERE

**DIFF TEMP**  
LOG TIME 12:10 15/05/06  
T1 °C 60.1  
T2 °C 47.0  
ΔT °C 13.1  
Customer  
Appliance  
Ref.

K425 1.0  
YOUR COMPANY NAME &  
PHONE NUMBER HERE

**ROOM CO TEST**  
LOG TIME 12:50 15/05/06

TEST	CO ppm
0	00
1	00
2	10
3	04
4	01
5	00
6	00
7	10
8	03
9	00
10	00
11	00
12	07
13	11
14	02
15	00

MAXIMUM CO 11

Customer  
Appliance  
Ref.

