- 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 BS7967
- 5 year extended warranty if serviced annually by Kane



Infra-red printer



The most user friendly

40

K425 1.0 YOUR COMPANY NAME & PHONE NUMBER HERE

TEST 10

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

COMBUSTION

FUEL	NAT GAS
02 % C02 % C0 PPM FLUE C INLT C NETT C	5.4 8.8 12 55.1 17.2 37.9
EFF (C) LOSSES XAIR %	98.3 1.7 34.8
C0/C02	0.0001
PRS mBAR	0.00
Customer	
Appliance	
Ref.	

K425 1.0 YOUR COMPANY NAME & PHONE NUMBER HERE

ROOM CO TEST

KOOH I	50	11.	,,									
LOG TIME	12	: 50	3	1	5.	/		9		•	6	
TEST 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18					•	C		001000010000010	004100030007		PR.	
MAXIM	UH	co	• •	•	•	•	•	i	i	•	•	
custo	mer	•••	•	•	•	•	•	•	•	•	•	
Appli	anc	ė	• •	•	•	•	•	•	•	•	•	
Ref.	•••	•••	• •	•	•	•	•	•	•	•	•	

Combustion Analyser (#1)

- Select "Ratio" on the rotary switch to view current fuel, CO/CO₂ ratio, CO, and CO₂
- Select "O₂/Eff" to view O₂, temperatures and efficiency
- Select "Aux" to view any 4 parameters, user selectable
- Measures O₂, CO, inlet and flue temperatures
- Calculates CO₂, CO/CO₂ ratio, excess air, losses and combustion efficiency, (nett, gross or condensing)
- Multi fuel Natural gas, Propane, Butane, LPG, Light Oils (28/35 sec) and Wood Pellets
- 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" or "Aux" 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















in 1" analyser available



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
- 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 (Δ T) 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

YOUR COMPANY NAME & PHONE NUMBER HERE PRESSURE

TIME 12:56 15/05/06
PRS mBAR -0.037

Customer

Appliance

Ref.

YOUR	COMPAN' NUMBER	Y NAME &
DIFF	TEMP	
LOG TIME	12:10	93 15/95/96
T1 T2 4T	°C °C	60.1 47.0 13.1
cus to	mer	
Appli	ance	
Ref.	•••••	



Parameter	Range	Resolution	Accuracy				
Temp Measurement Flue Temperature	0-600°C (0-1200°C with special	0.1°C	±1.5°C or ±1% reading				
Inlet Temperature (Internal sensor) (External sensor)	<i>probe)</i> 0-50°C 0-600°C	0.1°C 0.1°C	$\pm 1.0^{\circ}$ C $\pm 1.5^{\circ}$ C or $\pm 1\%$ reading				
Gas Measurement Oxygen Carbon Dioxide*2 Carbon monoxide	0-21% 0-30% 0-2,000ppm nom 4,000ppm max for 15 mins	0.1% 0.1% 1ppm	±0.2% *1 ±0.3% ±2ppm <20ppm*1 ±5ppm <100ppm ±5% reading >100 ppm				
Calculated values *3 Efficiency Excess Air CO/CO ₂ ratio	0-99.9% 0-250% 0-0.9999	0.1% 0.1% 0.0001					
Pressure (differential) Nominal range ±80 mbar (Maximum over range without damage to sensor is ±400 mbar)	±0.2 mbar ±1 mbar ±80 mbar	0.001 mbar to 24.999 bar then 0.01 mbar	±0.005 mbar ±0.03 mbar ±3% of reading				
 *1 Using dry gases at STP *2 Derived from O₂ measurement *3 All calculations in accordance with BS EN50379 approval. 							
Pre-programmed Fuels	Natural gas, Propane, Butane, LPG, Light Oils (28/35 sec), Wood Pellets						
Storage Capacity	99 Combustion tests 20 Pressure tests 20 Tightness tests 20 Temperature tests 20 Room CO tests						
Ambient Operating Range	0°C to +45°C 10% to 90% RH non-condensing						
Battery Type / Life	4 AA cells >12 hours using Alkaline AA cells						
Chargers (optional)	220v charger, for NiMH batteries only 12v in vehicle charger, for NiMH batteries only						
Dimensions Weight: Handset: Standard Probe:	0.8kg handset with protective cover 200 x 45 x 90mm 300mm long including handle. 6mm diameter x 240mm long stainless steel shaft with 3m long neoprene hase. Type K thermocouple						

shaft with 3m long neoprene hose. Type K thermocouple.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.