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KANE457

Flue Gas & Ambient Air Analyser
With Direct CO₂ & CO Measurement



Conforms to:
BS 7967
BS 8494
EN50379

Invest in your future

KANE457 Flue Gas & Ambient Air Analyser

The new **KANE457** is the only Flue Gas Analyser combining the features & ease of use of the KANE455 with an ambient air quality meter. It accurately measures & records **CO ppm**, **CO₂ %** & **CO₂ ppm** to commission & service commercial catering appliances, flueless gas fires, radiant industrial heaters, etc.

If you intend to take **CMDDA1** certification this UK designed & manufactured product is made to measure. The **KANE457** is designed to meet **BS7967**, **BS8494** & **EN50379**.

With five year life sensors, fixed not 'from' re-certification & service pricing, fast service turn round time & knowledgeable regional product support the **KANE457** is the cost effective solution.

Torch Light

- In built LED torch
- Backlit display

KANE457 Key Functions

Flue Gas Analyser

- **Combustion Analysis**
Ideal when installing & commissioning boilers, fires etc
- **Direct CO₂ Measurement**
Using Infra-red technology for better accuracy
- **Measure CO, CO₂ & Ratio**
For Benchmark logbook

Differential Pressure & Temperature

- **High Accuracy Pressure Measurement**
Perform timed let-by, stabilisation & tightness tests
- **Temperature Measurements (with optional probes)**
Flow/return, inlet/outlet, hot/cold measurements

Air Quality

- **Room Ambient Air**
Measure and record room CO₂ and CO readings for up to 30 minutes
- **Ambient CO₂ and CO**
Monitor and record real time and maximum CO₂ & CO
- **Timed Logging**
Establish CO₂ & CO concentration profiles over a specific period of time



In partnership with leading boiler manufacturers including:



with Direct CO₂ & CO Measurement



KANE457 CMDDA1 KIT

All the essential equipment required when investigating a fumes report or a CO alarm alert including a combustion probe stand & personal CO monitor.

KANE77

- Personal CO monitor



CPS1

- Combustion probe stand for room air testing



True Zero

- Use the ZERO CAL capsule to purge the analyser when a true zero CO₂ ppm level is required



Improved Accuracy

- Readings are automatically compensated for changes in ambient temperature & atmospheric pressure



New Fast Print Option

- Use the optional KANE IRP2 infra-red re-chargeable printer with easy-load for faster printing of test reports



KANE457 COM-CAT KIT

Specifically designed for commercial catering engineers & includes an airflow meter.



KANE457 V1.0011G SERIAL NO. 123456789	
YOUR COMPANY NAME & PHONE NUMBER HERE	
AMBIENT CO/CO2	
DATE	20/03/13
TIME	15:10:35
CO ppm	0
CO2 ppm	933
MAXIMUM CO	0
MAXIMUM CO2	1013
Customer	
Appliance	
Ref.	

KANE457 V1.0011G SERIAL NO. 123456789	
YOUR COMPANY NAME & PHONE NUMBER HERE	
TIGHTNESS TEST	
LOG	01
TIME	15:17 20/03/13
PRS_1 mbar	20.12
PRS_2 mbar	20.10
ΔPRS mbar	-0.02
STABIL'N MINS	1.00
TIGHTN'S MINS	2.00
Customer	
Appliance	
Ref.	

KANE457 V1.0011G SERIAL NO. 123456789	
YOUR COMPANY NAME & PHONE NUMBER HERE	
COMBUSTION	
DATE	20/03/13
TIME	14:25:25
FUEL	NAT GAS
O2 %	5.4
CO2 %	8.8
CO ppm	12
FLUE °C	55.1
INLET °C	17.2
NETT °C	37.9
EFF (C)	99.0
LOSSES	1.0
HAIR %	35.1
CO/CO2	0.0001
PRS mbar	0.00
Customer	
Appliance	
Ref.	

KANE457 V1.0011G SERIAL NO. 123456789	
YOUR COMPANY NAME & PHONE NUMBER HERE	
TIMED LOG	
START	14:37 20/03/13
STOP	14:42 20/03/13
INTERVAL MINS	1
TEST	CO ppm CO2 ppm
0	0 904
1	0 935
2	0 950
3	0 987
MAXIMUM CO2	987
MAXIMUM CO	0
Customer	
Appliance	
Ref.	

KANE457 V1.0011G SERIAL NO. 123456789	
YOUR COMPANY NAME & PHONE NUMBER HERE	
ROOM AIR TEST	
LOG	01
DATE	20/03/13
TEST	CO ppm CO2 ppm
0	0 408
1	0 1197
2	0 974
3	0 896
4	0 897
5	0 899
6	0 906
7	0 948
8	0 945
9	0 1368
MAXIMUM CO	0
MAXIMUM CO2	1368
Customer	
Appliance	
Ref.	