KANE457

Unique - ambient & flue CO2 in one analyser Ideal for commercial catering & incident investigations

Features

- Rotary switch for ease of use
- Logs & prints reports with optional infra-red printer
  - Combustion
  - Pressure
  - Let-by & Tightness
  - Temperature
  - CO & CO2 build up

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- 6 year warranty if serviced annually by Kane

Applications

- Installation, commissioning & servicing of domestic oil or gas appliances
- Commercial Catering
- Safety checks
  - CO in a room or around an appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue Draught
- CMDDA1
- Indoor Air Quality

Measures

- CO2 direct with an infra-red sensor 0-20%
- CO2 ppm 0-10,000ppm
- CO 0-2,000ppm
- Differential temperature
- High accuracy differential pressure meter +/-80mbar

Calculates

- O2
- CO/CO2 ratio
- Excess air
- Combustion efficiency

Fuels Types

- Natural Gas
- Butane
- Propane
- LPG
- 28 sec oil
- 35 sec oil
- Wood pellets

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Specification

- Analyser
- Probe
- Pressure connectors
- CO2 true zero capsule
- Charger
- Manual
- Calibration report

Parameter	Range	Resolution	Accuracy
Flue Temperature	0-600 °C	0.1 °C	±2.0 °C ±0.3% reading
Inlet Temperature (Internal Sensor)	0-50 °C	0.1 °C	±1.0 °C ±0.3% reading
Inlet Temperature (External Sensor)	0-600 °C	0.1 °C	±1.0 °C ±0.3% reading
Inlet Temperature (External Sensor)	0-600 °C	0.1 °C	±2.0 °C ±0.3% reading
Oxygen[*2]	0-21%	0.1%	±0.3%[*1]
Carbon monoxide	0-20ppm 21-2000ppm nom 4,000ppm max for 15 mins	1ppm	±0.3%[*1] ±3ppm ±5% reading
Carbon dioxide	0-20%	0.1%	±0.3% reading
Efficiency (Net or Gross)[*2]	0-99.9%	0.1%	±1.0% reading
Effeciency High (C)[*2]	0-119.9%	0.1%	±1.0% reading
Excess Air[*2]	0-250%	0.1%	±0.2% reading
CO/CO_2 ratio [*2]	0-0.999	0.0001	±5% reading
Nominal range ±160mBar	±0.2mBar	Maximum	±0.005

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<20 mBar   ±8% of
reading

Pre-programmed Fuels	Natural gas, Propane, Butanem LPG, Light Oils (28/35 sec), Wood Pellets
Ambient Measurements Carbon Monoxide	As above
Carbon Dioxide	0 to 5000ppm 1ppm ±5% reading 5001 to 9999ppm 5ppm ±8%reading
Storage Capacity	99 Combustion tests 20 Pressure tests 20 Tightness tests 20 Temperature tests 20 Room CO tests 20 Ambient tests up to 240 times tests (one sequence only)

[1] Using dry gases at STP
[2] Calculated

Ambient Operating Range	Temperature - 0°C to 40°C Humidity - 10% to 90% RH non-condensing Atmospheric Pressure - 860 to 1060hPa
Battery Type / Life	4AA cells >8 hours using Alkaline AA cells
Chargers (optional)	220v charger, for NiMH batteries only 12v in vehicle charger, for NiMH batteries only
Dimensions	Weight - 0.8kg handset with protective cover Handset - 200 x 45 x 90mm Probe - 300mm long including handle. 6mm diameter x 240mm long stainless steel shaft with 3m neoprene hose. Type K thermocouple

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Optional wireless upgrade

- Transfer analyser readings to your PC using a KANE LIVE software.

- Send printout data to your mobile device using the free Kane printer app.

BTM/450

Wireless android module

BTM/450LE

Wireless iOS module

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Kit Options

KIT

KANE IRP-2 Infra-red printer & carry bag

PRO KIT

As KIT plus GLD/450plus gas leak detector, KAL1 air liquid temperature probe, pressure hose & 2 x KPCP clamp-on pipe temperature probes and carry bag.

CPA1 KIT

As PRO KIT plus ASP2 appliance sampling probe kit, 12v in vehicle charger, in a large carry bag.

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Oil Kit

KANE IRP-2 Infra-red printer, KANEMSP manual smoke pump & oil pressure test kit.

KANE MSP	14102-2 Soft case	17820 Carry Case	Pipe Clam Probe
PRD1	KANE IRP-2 BLUE BOOT	Battery Charger, 100-240V	CPS1 Combustion Probe Stand
GLD450 Plus	KAL1 Air Liquid Probe		

Consumables

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videos
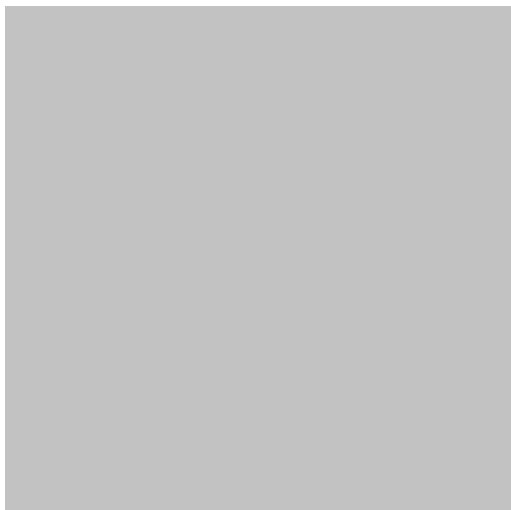
1 - KANE457 Introduction

2 - KANE457 Switch On
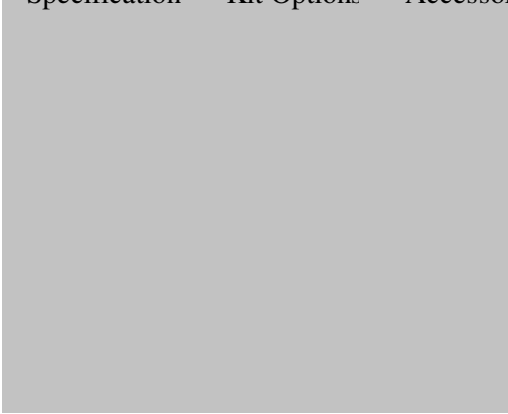
KANE457

3 - KANE457 Combustion Analysis

4 - KANE457 Differential Pressure &
Temperature

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Details   Specification   Kit Options   Accessories   Videos   Service Price   Software   Manuals
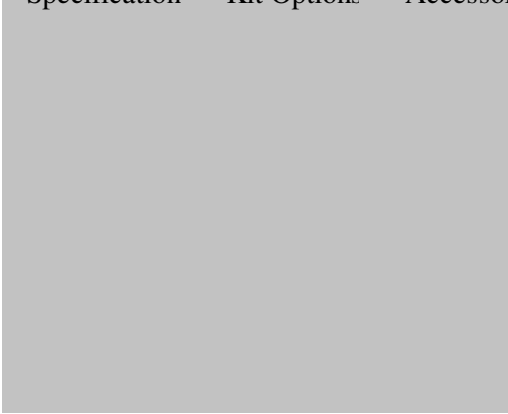
5- KANE457 Ambient Air Testing

How to change graphs - KANE LIVE
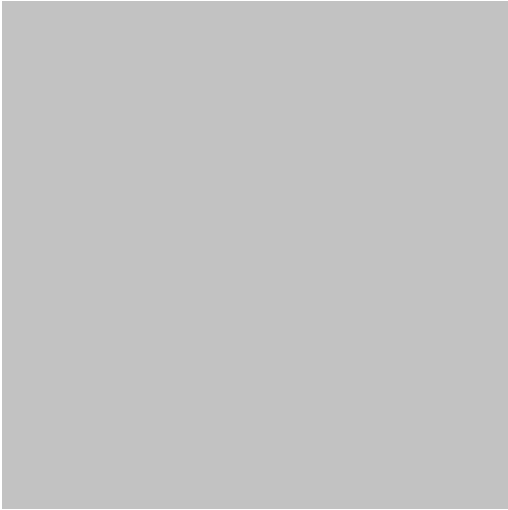
KANE457

How to change the header - KANE LIVE

How to change user details - KANE LIVE

KANE457
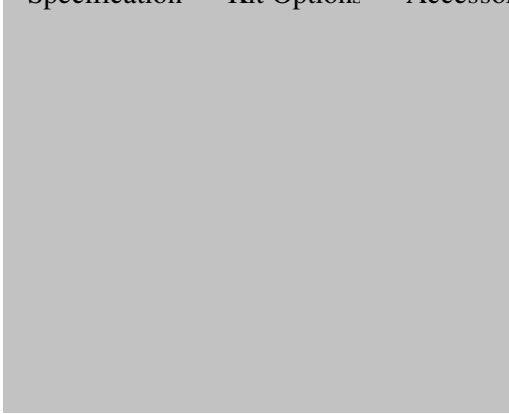
**How to change viewable readings - KANE
LIVE**

**How to connect supported bluetooth -
KANE LIVE**
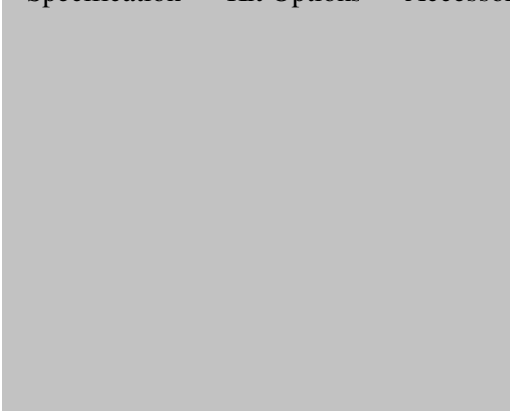
KANE457

How to download logs - KANE LIVE

**How to pair and connect the KANE457 -
KANE LIVE**

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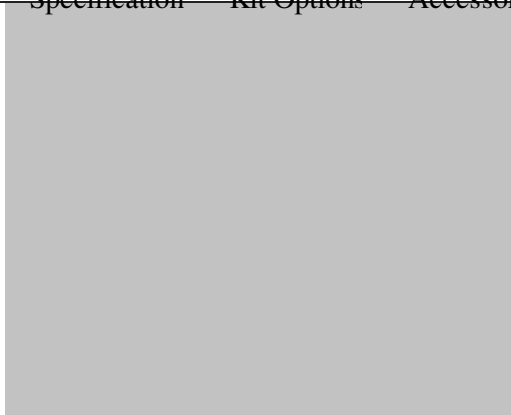
KANE457

How to save data - KANE LIVE

How to use change the language - KANE LIVE
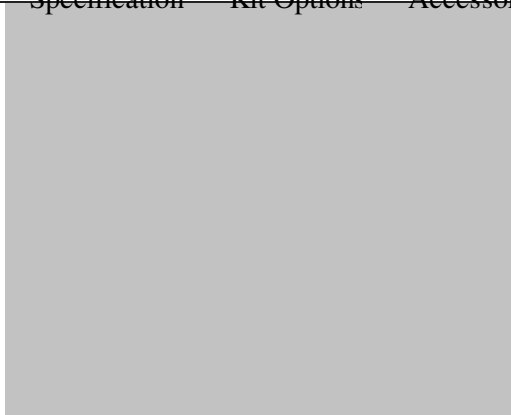
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How to use help - KANE LIVE

**How to use the pump functions - KANE
LIVE**

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KANE457
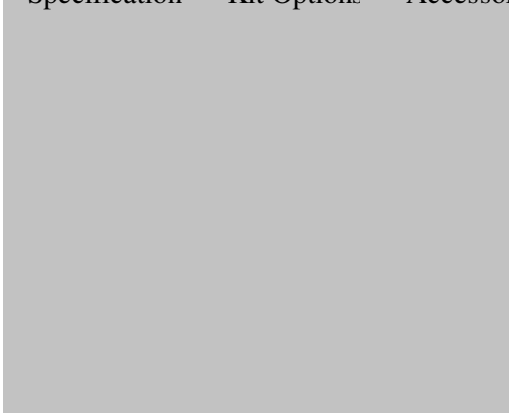
KANE IRP-2 Changing the Printer Roll

Using the KANE Wireless Printer Android app

Service Price

KANE457

Details	Specification	Kit Options	Accessories	Videos	Service Price	Software	Manuals
	£154	£94	£94	£94	£155	£94	

Rolling warranty ends after 6 years & becomes limited to replaced parts (12 months)

Calibration or Conformity Certificates are included in all prices, as appropriate

All prices are in £ sterling and are exclusive of VAT.

Software

KANE Wireless
Printer - iPad App

KANE Wireless
Printer - iPhone App

KANE Wireless
Printer (Android app)

KANE LIVE

Manuals

KANE457

Details   Specification   Kit Options   Accessories   Videos   Service Price   Software   Manuals

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