KANE150

Industrial Boiler Efficiency Analyser
with direct CO2 Measurement

KANE CARE

10 YEAR WARRANTY

RECERTIFY
SAME DAY DESPATCH

20 YEAR
ALL INCLUSIVE

Display readout:

CO2 9.0%
O2 5.0%
T1 75c
nn 97.8
XAIR 31.4%
14:13

ENTER

PUMP   SEND

CO2 / EFF

STATUS

K150

JUNE 2023

CONTENTS

1 WELCOME TO YOUR NEW ANALYSER - PLEASE READ

Thank you for using this KANE analyser.

Please read this manual so you know how to use your analyser - Do not assume you know how to use it.

Please read section 11 - Necessary mantenance - so you know how to care for your analyser after daily use.

Please read section 13 - General Safety - as you must be trained and competent to use this product.

Please read section 15 - Specification - to confirm measurements and calculations. This manual may reference measurements and features unavailable on this model.

Please also read section 17 - KANE CARE Service & Recertification - so you know what to do when your analyser needs KANE CARE Service & Recertification.

Any questions, visit our FAQs on www.kane.co.uk, our YouTube channel, email: sales@kane.co.uk or call 0800 059 0800 / +44 1707 375550 ex UK.

1.1 KANE150 OVERVIEW

Your analyser measures:

- Carbon Dioxide (CO2)
- Differential Temperature

Depending on configuration it also measures, calculates or performancy:

- Oxygen (O2)
- Combustion Efficiency, Losses & Excess Air

Your analyser is supplied with:

Protective rubber sleeve with magnets for hands-free operation

Flue gas sample probe with integral temperature sensor

USB Battery charger & 3 NiMH rechargeable batteries

Low flow detection to stop the pump if water enters analyser

Large 6 line display showing data & test results - Bottom line also displays analyser status

Test reports to send to an optional infrared KANE printer or KANE LIVE App

45 log memory for Combustion reports

2 lines of 24 characters to personalise with your details

Infrared printer emitter & torch

Power On / Off

6 line display with backlight

CO2   9.0%
O2   5.0%
T1   75c
nn   97.8
XAIR 31.4%
14:13 ▶

Protective rubber sleeve

Keypad

PUMP   ▲ ENTER ▼   SEND

CO2 / EFF
STATUS

K150
KANE

Rotary dial

Water trap particle filter & water stop filter

Battery status indicator

Battery charger

Flue Gas Temperature Socket T1

Flue Gas sample inlet

Water trap drain with red plug

Flue gas sample probe temperature plug - Connect to Temperature T1 Narrow (+ve) pin must be on right side

Red connector - Connect to Flue gas sample Inlet

Flue gas sample probe hose

2.1 ANALYSER BACK & PROBE

Magnets x 2

Protective rubber sleeve

Flue gas sample exhaust

⚠️ **DO NOT COVER**

Water trap drain with red plug

Flue gas sample probe temperature plug

Flue gas sample probe temperature sensor cable

Flue gas temperature probe sensor

Flue gas sample probe

Flue gas sample probe depth stop cone

Flue gas sample probe hose

2.2   KEYPAD & ROTARY DIAL - FROM LEFT TO RIGHT

2.2.1   KEYPAD

SYMBOL	KEYPAD DESCRIPTION
PUMP	Press to turn pump on or off
⏸	DATA HOLD - Short press to hold current data on screen short press option to return to readings
▲	NAVIGATE UP - Short press to scroll up
ENTER	ENTER - Press to select current option - also selects torch in some dial positions
▼	NAVIGATE DOWN - Short press to scroll down
📁	STORED LOG - Long press to store data
SEND	PRINT LOG - Short press to transfer a log or test - Analyser offers a destination choice

Keypad ●——

Rotary dial ●——

2.2.2   ROTARY DIAL

SYMBOL	ROTARY DIAL DESCRIPTION
MENU	Manage Analyser settings - See section 6
STATUS	View Analyser status - See section 7.1
CO2 / EFF	Measure Boiler Efficiency - See section 7.2

3 FIRST TIME USE - PLEASE READ

Fit and charge your analyser batteries for 8 hours - See section 4

Setup your analyser to your requirements before use - See section 6

4 FIT, REPLACE & CHANGE BATTERIES

4.1 BATTERY TYPE

Your analyser uses rechargeable Nickel Material Hydride (NiMH) batteries.- Using other battery types may void your analyser warranty.

⚠ WARNING

You can use Alkaline batteries but do not charge analyser when fitted.

Do not mix NiMH cells with different capacities or from different manufacturers - All batteries must be identical.

4.2 FIT OR REPLACE BATTERIES

Turn over analyser & remove protective rubber sleeve to find battery compartment cover on back of analyser.

Fit 3 NiMH "AA" rechargeable batteries ensuring correct battery polarity. Replace battery cover & protective rubber sleeve.

4.3 UPDATE TIME AND DATE

Reset analyser time & date after changing batteries.

NOTE: Your analyser STATUS bar displays current time, date and battery status - Time & date can only be changed when you have no stored logs in analyser memory to protect integrity of stored logs.

4.4 CHARGE NiMH BATTERIES

Your analyser uses a standard Micro USB connector - For best results power off before connecting charger.

Charging indicator illuminates then powers off when charging is complete.

First charge for 8 hours - Thereafter NiMH batteries can be topped up any time.

If batteries analyser enters low power shutdown, a 1 hour charge will provide approx. 2 hours continuous use.

4.5 BATTERY DISPOSAL

Always dispose of depleted batteries using approved disposal methods protecting the environment.

5 POWER ON & QUICK START

Your analyser has 2 power on modes:

- Auto zero calibration countdown - Use when measuring gasses
- Quick start - Use when measuring non gas parameters eg: temperature or pressure

To measure gasses, rotate dial to any position measuring gas - Your analyser automatically starts a zero calibration countdown when powered on.

Power on analyser by pressing 🔴 button for 2 seconds.

NOTE: Always power on analyser in fresh outdoor air when performing auto zero calibration countdown.

NOTE: Connect flue gas probe hose to analyser flue gas inlet and flue gas probe temperature plug to analyser flue gas temperature socket T1.

To Quick Start, rotate dial to any position not measuring gas e.g: **MENU, STATUS** - Your analyser automatically starts non gas measurements when powered on.

5.1 ANALYSER DISPLAY & USE

Your analyser displays 5 lines of tests & a status bar.

Display backlight illuminates for 10 seconds with each button press.

Rotate dial to the task or function you need to perform

Navigate through options and menu choices using ▲ & ▼ then **ENTER**.

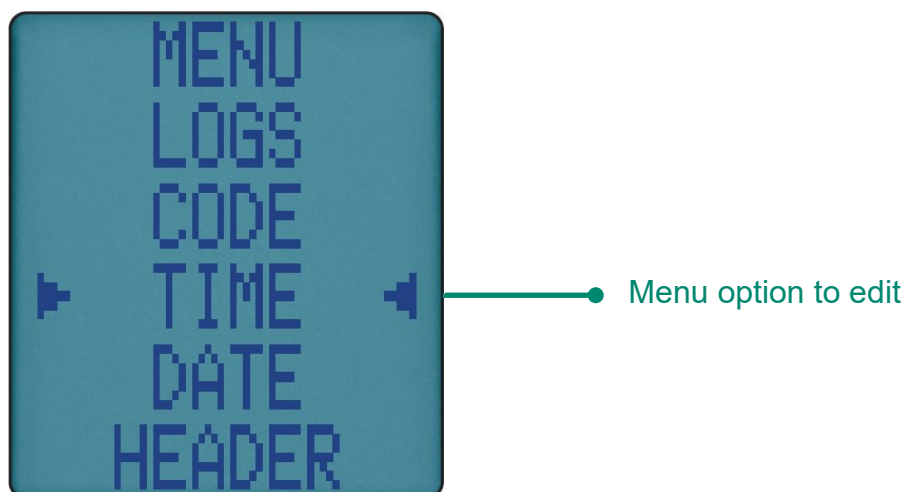Button presses are either short or long.

6 SET UP YOUR ANALYSER - ROTATE DIAL TO MENU

This section shows how to set your analyser using the rotary dial & keypad.

6.1 SET UP OPTION

Rotate dial to **MENU**

Press ▲ & ▼ to select option, then press **ENTER** when your option is between the 2 arrows on screen.
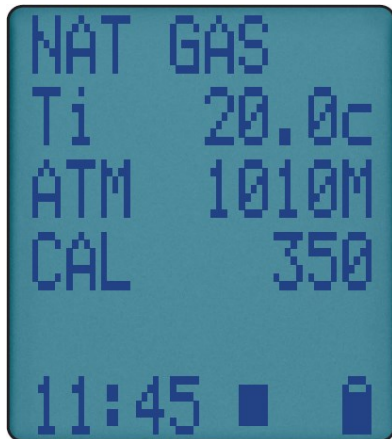

Menu option to edit

Press ▲ or ▼ to change your selected option then press **ENTER** to confirm.

To exit **MENU** rotate dial to any position - Unsaved changes will be lost.
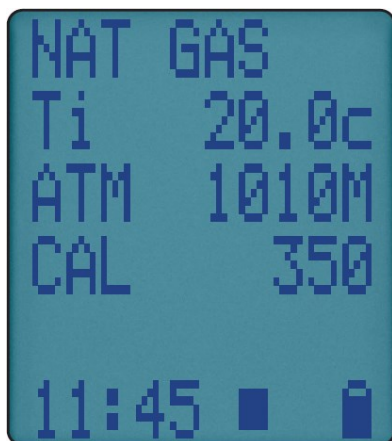
6.2   CHANGE ANALYSER DEFAULT SETTINGS

SETTINGS	MEANING	OPTIONS / COMMENTS
TIME	SET ANALYSER TIME	Select TIME to set analyser time - Press **ENTER** then use ▲ or ▼ & **ENTER** to set correct HH:MM:SS
DATE	SET ANALYSER DATE	Select DATE to set analyser date - Press **ENTER** then use ▲ or ▼ & **ENTER** to set To set correct DD:MM:YY
HEADER	PERSONALISE ANALYSER HEADER DISPLAY & TEST REPORTS	Select HEADER to personalise 2 lines of 24 characters - Press **ENTER**, then select line to edit pressing ▲ or ▼ & **ENTER**. Use ▲ & ▼ to select correct character then press **ENTER** To set HEADER via KANE LIVE app, select CONTROLS on app, select ANALYSER HEADERS, select LINE to edit Select SAVE to set header
PRINTER TYPE	SELECT KANE PRINTER	Select IR PRINTER to set infrared printer - press **ENTER** then use ▲ or ▼ & **ENTER** to select KMIRP or IRP-2/3
LOGS	LOGS	View current memory usage & stored logs
EFF	EFFICENCY	Select EFF to set efficiency scale by pressing **ENTER**. Select NETT or GROSS using ▲ & ▼, then press **ENTER** to confirm Considering calculation is automatic based on selected fuel
UTIL	UTIL	Select UTIL to access utility menu - Press **ENTER** then ▲ or ▼ & **ENTER** to select from: INFO - Shows Analyser firmware, wireless firmware & date next calibration due LEAK - Performs system leak test following onscreen instructions B'LIGHT - Selects time backlight is on from 15 to 300 seconds using ▲ or ▼ & **ENTER** to confirm NOTE: Extending backlight time reduces analyser battery life
CODE	CODE	Password protected for authorised service agents only - Default to 000000

7 USE YOUR ANALYSER - ROTATE DIAL FROM MENU

```
NAT GAS
Ti    20.0c
ATM   1010M
CAL    350

11:45 ■  ▯
```
Status bar

7.1 STATUS - YOUR ANALYSER SETTINGS SUMMARY

```
NAT GAS
Ti    20.0c
ATM   1010M
CAL    350

11:45 ■  ▯
```

Current fuel selection - use status bar menu below to change fuel

Current ambient temperature

Current atmospheric pressure (mbar)

No. of days until next calibration due

Analyser Status bar - show analyser status see 7.1.2

STATUS BAR INFORMATION

Status bar displays MESSAGE & SYMBOLS

Status bar messages show your analyser status use ▲ or ▼ to see them when status bar is displayed.

7.1.3 **STATUS BAR MESSAGES**
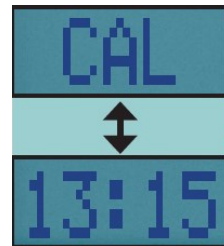
| When you select clock function | `13:15` | Analyser displays current time |

| When you press data hold | `"` `↕` `13:15` | Display alternates between HOLD symbol & time stamp of data on hold |

| When analyser calibration is overdue | `CAL` `↕` `13:15` | Display alternates between calibration due & current time |

| When you delay analyser zero recalibration | `600` `↕` `13:15` | Display alternates between zero recalibration delay symbol & current time |

| Your analyser needs battery recharging | `BAT` `↕` `13:15` | Display alternates between BAT symbol & current time |
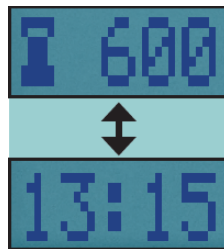
7.1.4 STATUS BAR SYMBOLS

Status bar symbols also show your analyser status

When you see this   [symbol]   Your analyser pump is ON

When you see this   [symbol]   Your analyser pump is Off

When you see this   [symbol]   Your analyser has logged / stored data

When you see this   [symbol]   Your analyser is sending data to your app or printer

When you see this   [symbol]   Your analyser battery charge is displayed

7.1.5 STATUS BAR OPTIONS

Your analyser status bar also offers options based on your current task.
Use ▲ or ▼ to view

11:02 ▸▪ ▮	Always available - Display current analyser status
09/05/23	Always available - Displays current date.
NAT GAS	Always available - Displays current fuel you can change by long pressing ENTER button. Use ▲ & ▼ to choose desired fuel then ENTER.
CO2 ZERO	Available if CO2 is on current screen - Use to manually re-zero analyser. NOTE: Always re-zero in fresh outside air

7.2 CO2 / EFF - MEASURE BOILER PERFORMANCE & EFFICENCY

Rotate dial to **CO2 / EFF** to view typical combustion efficiency measurements

Check flue gas probe and temperature plug are correctly connected to your analyser before taking measurements - See section 2 where to connect,.

Display	Label
CO2 9.0%	CO2 measurement
O2 5.0%	Oxygen calculation
T1 75.0c	T1 Flue Temperature measurement
nnc 97.6%	Combustion efficiency calculation
XAIR 32.1%	Excess air calculation
08:26 ▶ ▮	Status bar
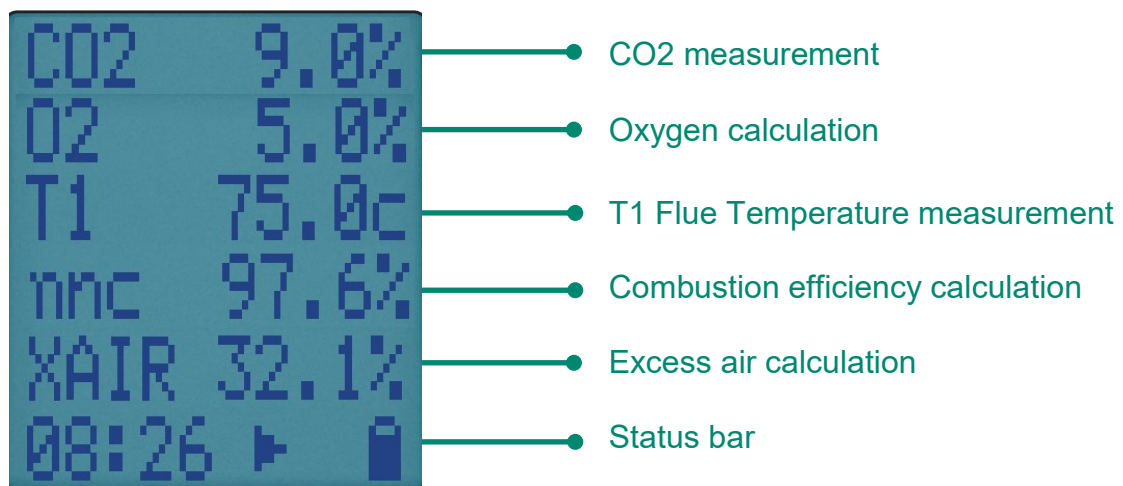
8   SEND, PRINT OR STORE A TEST

Short press **SEND** to send a test to your optional KANE-IRP3 printer.

Long press **SEND** for 2 seconds to store a test, called log.

8.1   ANALYSER MEMORY

Your analyser stores up to 45 tests, called logs.

A logged data icon displays when your analyser stores a test - see section 7.1.4 - Status Bar Icon

To view rotate dial to **MENU** then select **LOGS** using ▲ or ▼ & **ENTER** to display.

```
        LOGS
 COMB.        1          ●————— No. of stored Combustion logs


 MEM     1/30            ●————— Total memory used
 ►     VIEW     ◄        ●————— Menu options
```
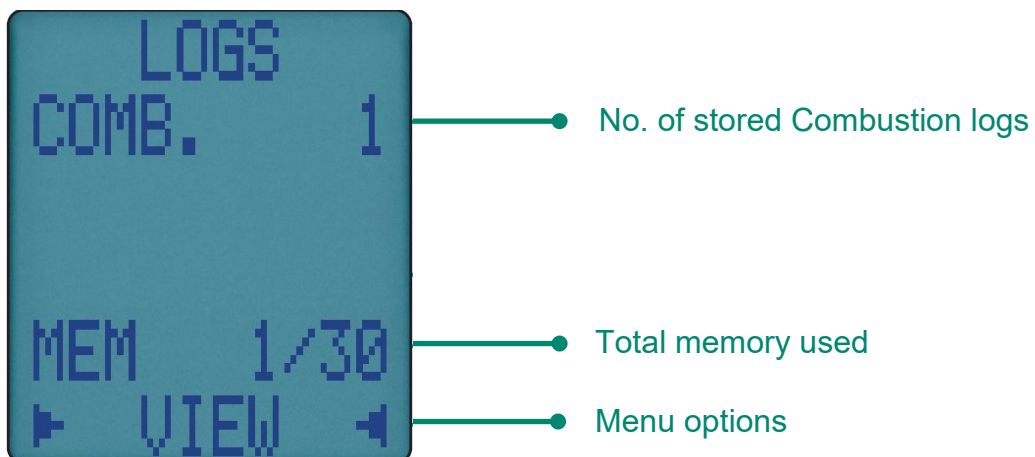
8.2   MEMORY MENU OPTIONS

```
 ►    VIEW    ◄          ●————— View stored logs if available
```

```
 ►DEL ALL    ◄           ●————— Delete all stored logs if available - to
                                delete long press ENTER
```

```
 ►    EXIT    ◄          ●————— Return to main menu
```
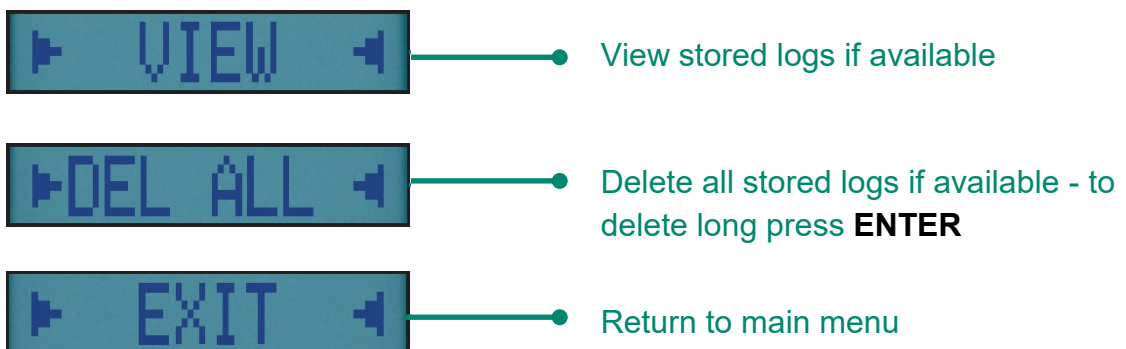
8.3 VIEW & MANAGE STORED LOGS

To view your test, select **VIEW** from **LOGS** Menu:

LOGS
VIEW

EXIT

List of available LOGS
Navigate and selection using ▲ or ▼
& **ENTER**

SELECT LOG TYPE

► COMB. ◄

View Combustion Logs

► EXIT ◄

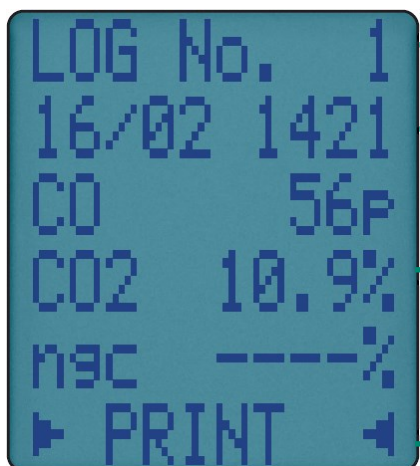Return to previous menu

SELECT LOG STORED

After you select report type first log is displayed:

LOG No.   1
16/02 1421
CO   56p
CO2   10.9%
ηgc   ----%
► PRINT ◄

LOG Number of that type

Time & date of LOG

Measurements & calculations specific to log type

Navigation menu options

SELECT LOG OPTIONS

PRINT ──● Print currently selected log

NEXT ──● Navigate to next available log

PREVIOUS ──● Navigate to previous log

EXIT ──● Return to main menu

9 PRINTING TO INFRARED PRINTER

To print test result or logs use optional KANE infrared printer.

Power on printer and place printer infrared receiver in line with analyser emitter

Allow 15cm gap between analyser & printer.

10 SAMPLE TEST REPORTS

Combustion

```
KANE
KANE150
SW00182 2.55

NAME
NUMBER

SERIAL NO.      931123125

DATE            18/05/23
TIME            09:21:48

------------------------
CAL DUE         20/03/24
------------------------

COMBUSTION
------------------------
FUEL              NAT GAS
CO O2 REF      %      3.0
CO2            %     0.11
O2             %     20.8
T1             °C    ----
Ta             °C    23.4
NETT           °C    ----
EFFnc          %     ----
LOSS           %     ----
XAIR           %     O2++
------------------------

CUSTOMER
........................
.                      .
.                      .
........................

APPLIANCE
........................
.                      .
.                      .
........................

REFERENCE
........................
.                      .
.                      .
........................
```

11 NECESSARY REGULAR MAINTENANCE

You must perform regular, simple and necessary maintenance to ensure your analyser works correctly.

11.1 WATER TRAP, PARTICLE & WATER STOP FILTER

Some boilers produce high water vapour volume which can affect your analyser.

Your analyser has a water trap & particle filter with a hyd filter
Located inside the particle filter connected to a red filter carrier.

You must drain the analyser water trap when you see water collecting in it.

To drain:

1. Remove red plug
2. Empty water
3. Replace red plug

You must replace the particle & water stop filters when wet or dirty or when your analyser displays LOW FLOW.

To replace:

1. Remove protective rubber sleeve and disconnect water trap
2. Remove red filter carrier with particle & water stop filter from water trap
3. Ensure water trap is completely dry
4. Attach new water stop & particle filter to red carrier
5. Insert red carrier in water trap and reconnect water trap to your analyser.

Only use these replacement parts, available from authorized service partners or www.kane.co.uk

Water trap: SM50515
Particle filter: PF400/5 5 particle filters
Water Stop filter: SM50933/5 5 water stop filters
Red filter carrier: CM50302

11.2 FLUE GAS SAMPLE & TEMPERATURE PROBE

Always hang your probe to fully drain & dry.

You must check:

1. Your flue gas & temperature probe and tubing for cracks or leaks.
2. Your flue gas temperature probe is not bent or out of shape.
3. Your analyser connectors are not bent or cracked.

⚠️ WARNING

Never cool your flue gas sample probe in water or use probe shaft as a lever.

11.3 BATTERY CHARGER & BATTERIES

See section 4 - FIT, REPLACE & CHANGE BATTERIES

11.4 ANALYSER & PROBE LEAK TEST

Your analyser will perform a system integrity test to ensure no system leaks if you connect a flue gas sample probe then cover probe tip to ensure an air tight seal.
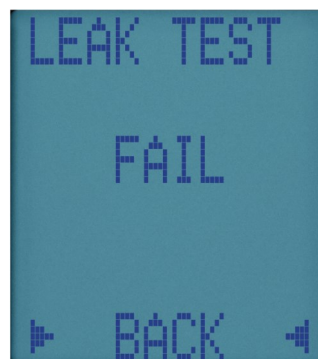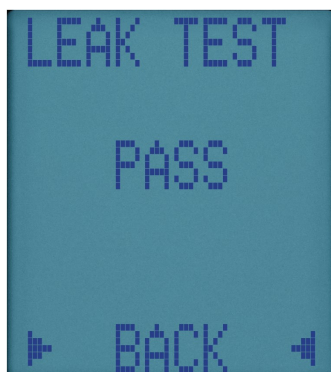
To perform, rotate dial to **MENU** then select UTIL pressing ▲ or ▼ & **ENTER**

Select LEAK pressing ▲ or ▼ & **ENTER**

Follow analyser instructions to connect and cover probe tip

Select NEXT pressing **ENTER**

Your analyser now performs a system leak test then indicates pass or fail

12 COLD WEATHER PRECAUTIONS

Do not leave your analyser in a cold place overnight.

Cold electronic devices suffer when taken into a warm place and condensation may form affecting analyser performance.

Sensors are affected by condensation or water - When this happens, readings may display as "-" & sensors may be permanently damaged.

If your analyser is affected by condensation or water ingress, leave running in a warm place with pump 'ON' sampling fresh air for up to 3 hours - Connect charger to avoid draining batteries.

If you still experience problems please contact KANE Customer Service.

WHERE TO SEND YOUR ANALYSER - See KANE CARE Section 17

Northern Customer Service
Kane International Ltd
Gibfield Park Avenue
Atherton,
Manchester
M46 0SY, UK
e: nservice@kane.co.uk
t: 0800 059 0800

Outside UK Call +44 1707 375550

Southern & International Customer Service
Kane International Ltd
Kane House, 11 Bessemer Road
Welwyn Garden City
Hertfordshire
AL7 1GF, UK
e: service@kane.co.uk
t: 0800 059 0800

13 GENERAL SAFETY

⚠️ SAFETY WARNING

13.1 FLUE GASES

Your analyser extracts combustion gases that are toxic in relativity low concentrations.
These gases are exhausted from the bottom of the analyser.
This analyser must only be used in well-ventilated locations by trained and competent persons after considering all potential hazards.

Portable gas detectors should conduct "bump" tests before relying on units to verify atmospheres are free from hazards.

A "bump" test is a way to check an instrument works within acceptable limits by briefly exposing it to known gas mixtures to change output of all sensors present.

NOTE: This is different from calibration where your analyser is exposed to known gas mixtures but allowed to settle to a steady figure with readings adjusted to the gas concentration of the test gas.

13.2 PROTECTION AGAINST ELECTRIC SHOCK (IN ACCORDANCE WITHN 61010-1:2010):

This analyser is designed as Class III equipment and should only be connected to SELV circuits. The battery charger is designated as:

- Class II equipment
- Installation category II
- Pollution degree 2
- Indoor use only
- Altitude to 2000m
- Ambient temperature 0°C-40°C
- Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50%RH at 40°C
- Mains supply fluctuations not to exceed 10% of the nominal voltage

14 MEASURING FLUE GASES

After countdown is finished and your analyser is correctly set up, put flue probe into appliance sampling point.

Probe tip should be in flue centre - use flue probe depth stop cone to set position.

With balanced flues, ensure probe is positioned far enough into flue so no air can "back flush" into probe.

⚠️ SAFETY WARNING

Ensure flue probe handle does not get hot!
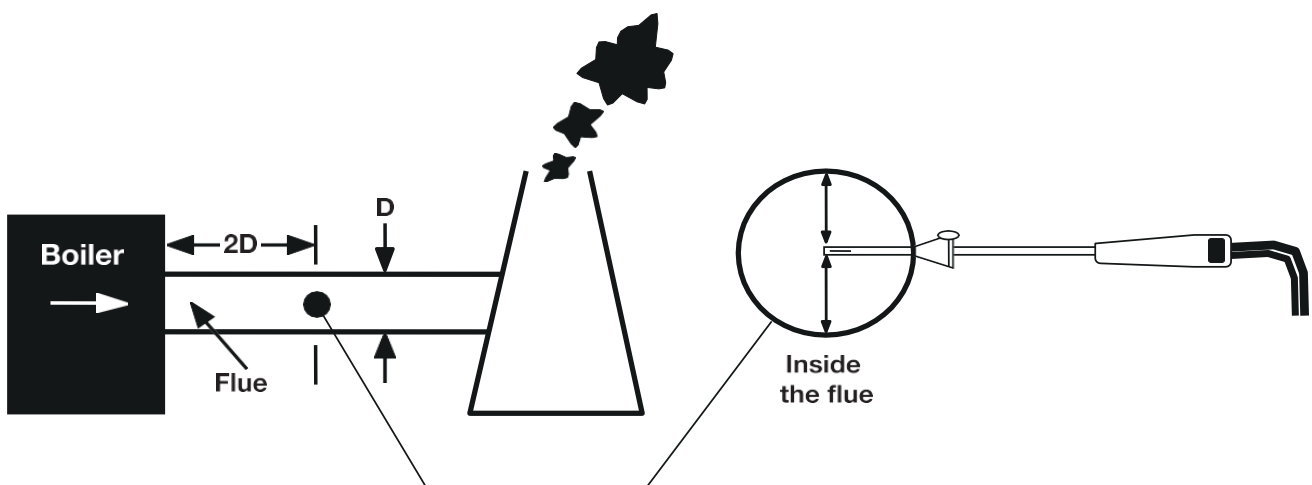
Do not exceed analyser operating specifications - In particular:

- Do not exceed flue probe maximum temperature (600°C)
- Do not exceed analyser internal temperature operating range
- Do not put analyser on hot surfaces
- Do not exceed water trap levels
- Do not let analyser particle filter become dirty and blocked

Check readings are stable and within expected range.

15 SPECIFICATION

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature & Pressure Measurement			
Flue Temperature	0 - 600°C	0.1°C	±0.5°C
Inlet temperature (Internal Sensor)	0 - 50°C	0.1°C	±1°C
Inlet temperature (External Sensor)	0 - 600°C	0.1°C	±0.5°C
Flue Gas Measurement			
Carbon Dioxide	0 - 20%	0.1%	±0.3% Volume
Calculations			
Oxygen	0 - 21%	0.1%	±0.3% Volume
Efficiency (Net or Gross)	0 - 99.9%	0.1%	±1% of reding
Efficiency High (C)	0 -119.9%	0.1%	±1% of reading
Excess Air	0 -119.9%	0.1%	±0.2% of reading
Pre-programmed Fuels			
UK USA & France	Natural Gas, Propane, Butane, LPG, Light Oil, Wood Pellets		
Battery Life	>8 hours (continuous with pump on)		
Certification	The KANE150 is independently test and certified to EN50379, Parts 1-3		
Operating Conditions			
Temperatures	0 - 45°C		
Humidity	15 to 90% RH, (non-condensing)		
Power Supply	Rechargeable batteries, USB Charging		
Physical Characteristics			
Weight	Approx. 0.625g		
Dimensions	216mm x 105mm x 45mm		

16 EU DECLARATON OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer:-

Kane International Ltd.
Kane House, 11 Bessemer Road, Welwyn Garden City, Hertfordshire, AL10 1GF, UK.
Tel: + 1707 375550   Web: www.kane.co.uk

The KANE150 is in conformity with the relevant Union harmonization legislation below:

UK Directive
The Electromagnetic Compatibility Regulations 2016 (EMC)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (RoHS)
Electrical Equipment (Safety) Regulations 2016

EU Directive	Title
201430EU	Electromagnetic Compatibility (EMC)
201165EU	Restriction of the use of certain hazardous substances in electrical and electronic equipment (EMC)
2014/35	Low Voltage Directive (LVD)

The following harmonised standards and technical specifications have been applied:

Certification
The KANE150 is independently tested and certified to EN 50379, Parts 1 & 3

EMC
EN50270:2015

SAFETY
EN61010-1:2010

RoHS (UK & EU)
IEC62321-2:2013, IEC62321-1:2013, IEC62321-3-1:2013, IEC62321-5:2013,
IEC62321-4:2013, IEC62321-7-2:2017, IEC62321-7-1:2015, IEC62321-6:2015

Signed for on behalf of:-   Kane International Ltd.
01. July 2022

UK
CA   CE

Paul Morrison

Welcome to KANE CARE

17 **KANE CARE is our award winning promise to never let you down or your money back**

All gas analysers must be serviced and recertified every year - In some markets this is a legal requirement

KANE CARE is all inclusive and applies to any KANE analyser booked online via www.kane.co.uk & www.kanetest.ie - some exclusions apply

For Customers outside UK & Ireland who need KANE CARE
email: sales@kane.co.uk

Use all 11 digits — 18262020092
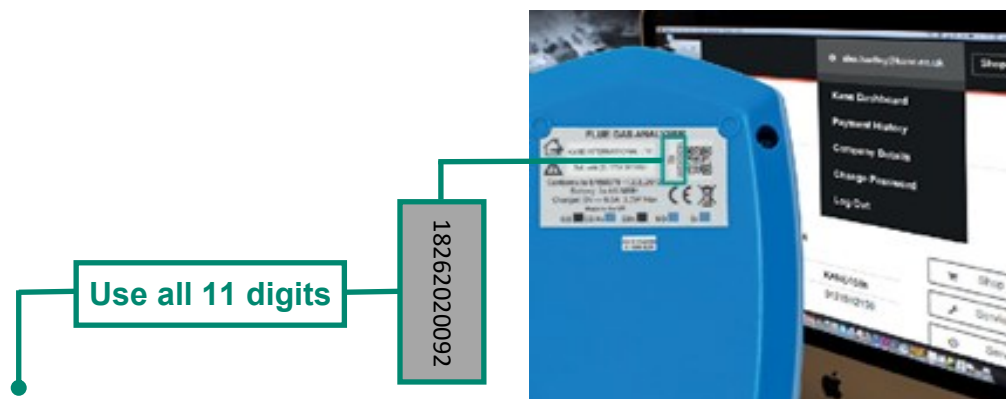
★ Please **register** your analyser on our website to download your instruction manual

★ **PLEASE READ ALL SAFETY WARNINGS IN THE MANUAL**

★ **Use our website to manage your Analyser, buy spares & other KANE products**

★ **Find FAQs on our website or on our YouTube Channel**

★ **Got a question? Call our Customer Service Team 7am - 5pm any normal weekday 0800 059 0800**

More info at: www.kane.co.uk/service-and-re-calibration

www.kane.co.uk   www.kanetest.ie
www.kane.eu   www.kane-care.com

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE CARE — 10 YEAR WARRANTY — RECERTIFY SAME DAY DESPATCH — 20 YEAR ALL INCLUSIVE

KANE CARE UK & Ireland Service & Recertification

KANE CARE is our promise to never let you down or your money back

- ★ **10 Year warranty with annual Service & Recertification**

- ★ **Same Day Service & Recertification guaranteed**

- ★ **Free next day tracked delivery to KANE**

- ★ **Free pre 9am next day return & Saturday am**

- ★ **Theft protection - 50% off when replacing your stolen KANE analyser**

KANE CARE applies to any KANE FGA Service & Recertification booked online via www.kane.co.uk & wwwkanetest.ie - some exclusions apply

More info at: www.kane.co.uk/service-and-re-certification

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KANE CARE International Service & Recertification

KANE CARE is our promise to never let you down or your money **back**

- ★ **10 Year warranty with annual Service & Recertification**

- ★ **20 Year all inclusive pricing**

- ★ **Includes accessory repair or replacement as required including probe, charger, carry bag & printer**

- ★ **Free tracked return**

- ★ **Full test certification & repair report**

KANE CARE International applies to any KANE Analyser Service & Recertification booked & quote confirmed via sales@kane.co.uk - some exclusions apply

More info at: www.kane.co.uk/service-and-re-certification

_____

Customer Service
0800 059 0800
+44 1707 375550

Email: sales@kane.co.uk

www.kane.co.uk   www.kanetest.ie
www.kane.eu   www.kane-care.com

Follow us on...

★★★★★ ★Trustpilot

KANE CARE ★★★★★

10 YEAR WARRANTY

RECERTIFY SAME DAY DESPATCH

20 YEAR ALL INCLUSIVE

UK & Ireland
Same Day Despatch
KANE CARE Service & Recertification

Register your analyser on
www.kane.co.uk or
www.kanetest.ie
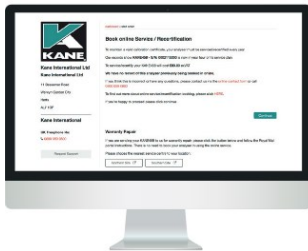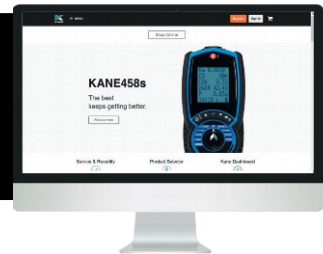
Book & pay to Service & Recertify
via your dashboard

Select FREEPOST for tracked
carriage - UK & Ireland mainland only

Your analyser will be despatched
the same day we receive it…
OR YOUR MONEY BACK*

*Excludes KANE-EGA, AUTO600, '9 series' analyser & UKAS certificates - Ireland 2 day turnaround

**International
All Inclusive Price
KANE CARE Service & Recertification**

email: sales@kane.co.uk with
analyser name & serial number

Pay our all inclusive
KANE CARE quote
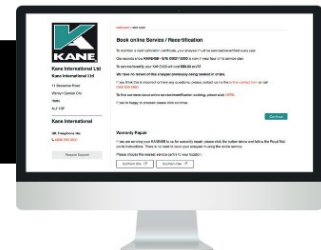
Send your analyser & accessories

We will return free of charge* after
KANE CARE Service & Recertification
with 1 year warranty if under 10 years old

*Excludes local tax & duty

18   KANE UKAS CALIBRATION CERTIFICATES TO - ISO 17025:2017

★   UKAS accreditation is the highest approval standard a test & measurement can achieve - It confirms their certification laboratory operates to the highest standard of competence & impartiality

★   UKAS is the only recognized UK authority assessing laboratory standards & capability

★   KANE is the only UK Flue Gas Analyser manufacturer accredited by UKAS to ISO 17025:2017 for gas certification

★   KANE UKAS calibration certificates are legal documents you can submit in evidence to a UK court - they guarantee your analyser was certified to highest possible standard

★   Order fixed price KANE UKAS certification any time - allow 3 days turnaround when returning your analyser for KANE CARE Service & Recertification

Any question? Call 0800 059 0800 7am - 5pm any normal weekday

UKAS CALIBRATION

More info at: www.kane.co.uk/service-and-re-calibration

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE CARE | 10 YEAR WARRANTY | RECERTIFY SAME DAY DESPATCH | 20 YEAR ALL INCLUSIVE

19 FLUE GAS & APPLIANCE SAMPLE PROBE OPTIONS

	ASP3 KIT	• Appliance sampling probe kit - grills, gas fires & general purpose • 5mm diameter • 2.2m flexible tube • Separate handle & hose assembly
	CP2	• 240mm probe • 6mm diameter • Neoprene hose

For a full list of accessories for your analyser, please visit our online shop at **www.kane.co.uk**

20 SPARE PARTS

	KANE-IRP3 KANE Infra-Red Printer
	USB1 USB charger for KANE258, 358, 458s, 958, KANE-EGA1,2, & 3
	B15 4 X 2000 mAh rechargeable batteries **NOTE:** battery make may differ
	PF400/5 (pack of five) Filters for KANECO91, 100, 101, 250, 251, 255, 258, 358, 425, 450, 451plus, 452NO, 455, 456, 457, 458, 458s, 504, 958, EGA1, 2 & 3
	WSF1/5 (pack of five) Water Stop Filters for KANE458s & KANE958
	TP5 (pack of five) Thermal printer rolls for Infra-Red Printer KANE-IRP, KANE-IRP2 & KANE-IRP3
	SM14980 Replacement probe connector for KANE28, 358, 458s, 958, 975, 988, EGA1, 2 & 3
	SM50515 Replacement water trap for KANE258, 358, 458s, 958, EGA1, 2 & 3

THANK YOU

Thank you for buying this analyser.

Before use, please register on our website

www.kane.co.uk

Scan the QR code to go directly to
Register your product online.

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telephone: 0800 059 0800

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