KANE158

Flue Gas Analyser with direct O2 Measurement and CO sensor protection

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE CARE

KANE CARE

LIFETIME WARRANTY FOREVER

Display:
Ra 0.0010
CO 80p
CO₂ 8.3%
XAIR 42.4%

NAT GAS

ENTER ▲ ▼
PUMP SEND
O2/EFF CO/CO2
TEMP
STATUS
MENU
K 158

MADE IN BRITAIN®

JUNE 2025

© Kane International Ltd

CONTENTS

1   WELCOME TO YOUR KANE158 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 10 - Necessary regular maintenance - so you know how to care for your analyser after daily use.

Please read section 14 - General Safety - as you must be trained and competent to use this product.

Please read section 17 - Specification - to confirm measurements and calculations. This manual may reference measurements and features unavailable on this model.

Please also read section 21 - 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 KANE158 OVERVIEW

Your Flue Gas Analyser measures:

- Carbon Monoxide (CO)
- Oxygen (O2)
- Differential Temperature
- CO Over Range Protection

Depending on fitted options the following parameters are calculated:

- CO/CO2 ratio
- Carbon Dioxide (CO2)
- Combustion Efficiency
- Losses
- Excess Air

Your analyser has a protective rubber cover with magnets for hands-free operation and is supplied with a flue probe with integral temperature sensor and battery charger with 3 NiMH batteries.

Your analyser has a low flow detector system to switch off the analyser pump if it detects water entering the analyser from an over filled with: a full water trap.

Your analyser has a large 6 line display showing data and test results based on your actions. The display bottom line also highlights analyser status at all times.

Your analyser stores up to 45 logs of any combination of Combustion and Temperature test results (depending on model).

Your analyser can send test readings to our optional KANE IRP-3 Infrared printer or KANE LIVE App.

Two lines of 24 characters can be added to the printout header.

1.2 HIGH CO LEVEL PROTECTION

Your analyser is automatically protected from high levels of CO - When CO is above maximum range the analyser pump stops CO purge pump starts.

Your analyser displays - - - - until CO levels fall below maximum range

2 ANALYSER LAYOUT

2.1 ANALYSER FRONT & BOTTOM

Power On / Off

5 line display with backlight

Protective rubber sleeve

Keypad

Rotary dial

Water trap, particle filter & water stop filter

Battery status indicator

Battery charger

Inlet temperature T2

Flue probe temperature T1

Flue gas inlet

Watertrap drain with red plug

Flue probe temperature Plug - Into T1
Narrow (+ve) pin must be on right side

Red connector - plugs into flue gas Inlet

Flue probe hose

2.2 ANALYSER BACK & PROBE

Magnets x 2

Gas Exhaust

Water trap drain with red plug

Thermocouple wire

Thermocouple

Stainless steel shaft

Depth stop cone

CP2 KANE

Gas path

2.3 KEYPAD & ROTARY DIAL - FROM LEFT TO RIGHT

2.3.1 KEYPAD

SYMBOL	FUNCTION
PUMP	Long press to turn pump on or off
⏸	DATA HOLD - Short press to hold current data on screen - Short press again 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 test result or log - Analyser offers a destination choice

2.2.2 ROTARY DIAL - KANE158

Keypad
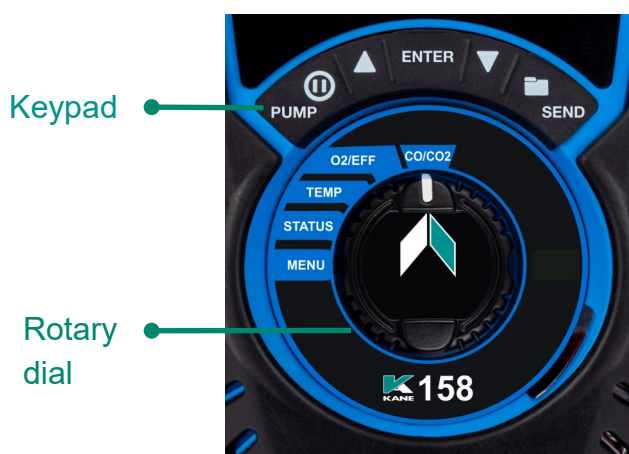
Rotary dial

SYMBOL	ROTARY DIAL DESCRIPTION
MENU	Manage Analyser settings - See section 6
STATUS	View Analyser status - See section 7.1
TEMP	Measure Temperature - See section 7.7
O2 / EFF	Measure Boiler Efficiency - See section 7.4
CO / CO2	Measure Boiler Safety & CO / CO2 Ratio - See section 7.4

3   FIRST TIME USE - PLEASE READ

Fit and charge analyser batteries for 8 hours - see section 4

Power on & off analyser - see section 5

Set up analyser to your requirements before use - see section 6

4   FIT, REPLACE & CHARGE BATTERIES

4.1   BATTERY TYPE

Your analyser uses rechargeable Nickel Metal Hydride (NiMH) batteries - Using other battery types may void 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

1. Turn over analyser, remove battery compartment cover

2. Fit 3 NiMH "AA" rechargeable batteries with correct battery polarity

3. Replace battery compartment cover

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

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

4.5 BATTERY DISPOSAL

Always use approved disposal methods protecting the environment.

5 POWER ON

Power on analyser by pressing 🔴 button for 2 seconds. Your analyser starts an automatic zero calibration countdown when powered on.

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

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

Charge analyser batteries for 8 hours - an overnight charge is sufficient for an average 8-hour day.

5.1 ANALYSER DISPLAY & OPERATION SUMMARY

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 ⬅

Button presses are either short or long.

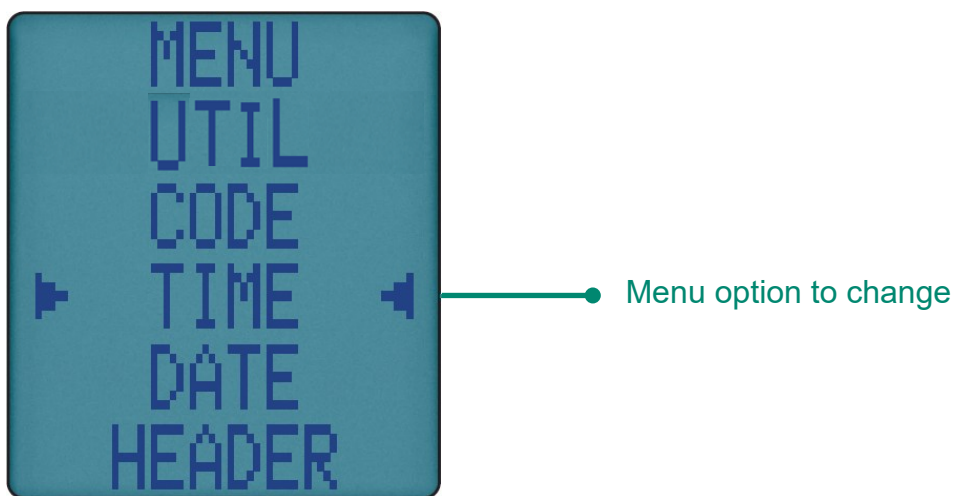# 6 SET UP YOUR ANALYSER - ROTATE DIAL TO MENU

Rotate dial to **MENU** to see options

6.1 SET UP OPTIONS

Press ▲ & ▼ to select option, then press ⏎ when selected option is between the 2 arrows on screen.

Menu option to change

Press ▲ or ▼ to change option then press ⏎ to confirm.

To exit **MENU** rotate dial to any position - Unsaved changes will be lost.

6.2 CHANGE ANALYSER SETTINGS

OPTION	YOUR CHOICE	NOTE
TIME	SET ANALYSER TIME	HH:MM:SS format E.G.. 7am = 07:00:00, 7pm = 19:00:00
DATE	DATE	DD/MM/YY format
HEADER	HEADER	Edit 2 Line Header on your printouts
LOGS	LOGS	View current memory usage & stored reports
EFF	EFF	Efficiency calculation analyser set to Gross or Net - Condensing automatically selected based on selected fuel type
GAS SCALE	GAS SCALE	Select ppm, ppm(n), mg/m3,Mg/kWh
PRINTER TYPE	IR PRINT	Select pp, KMIRP, IRP-3
02 REF	02 REF	Use for "Normalised" readings. Default set to 3%, can be adjusted up or down
LANGUAGE	LANG	Select required language from the list
UTIL	UTIL	**Sub menu to:** INFO - View firmware information B'LIGHT - Set backlight timeout (S) LEAK - Perform system integrity test
CODE	CODE	Password protected for authorised service agents only - Default to 000000

7 USE YOUR ANALYSER - ROTATE DIAL FROM MENU

This section explains how to use your analyser with the rotary dial & keypad.

7.1 STATUS - YOUR ANALYSER STATUS SUMMARY

Rotate dial to **STATUS** to view fuel selection, ambient temperature & pressure and number of days until next calibration is due,

NAT GAS	Current fuel selection - use status bar menu to change fuel selection
Ta 20.0c	Current ambient temperature
ATM 1010M	Current atmospheric pressure (mbar)
CAL 350	No. of days until next calibration is due
932325013	
11:45 ■ ▮	Analyser Status bar - show analyser status see 7.1.2
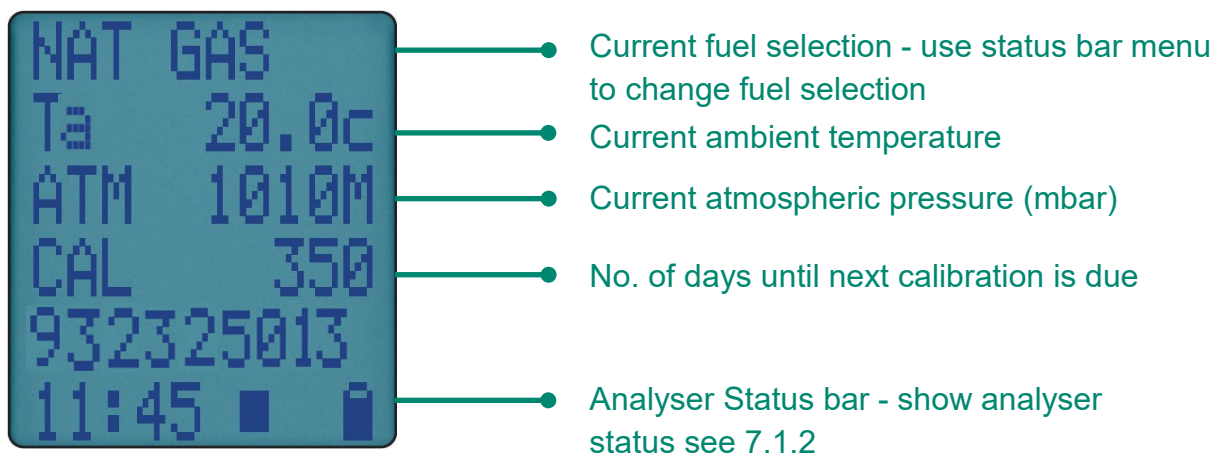
7.1.2 STATUS BAR INFORMATION

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
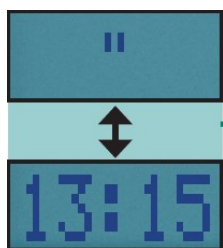
" ↕ 13:15 — Display alternates between HOLD symbol & time stamp of data on hold

When analyser calibration is overdue

CAL ↕ 13:15 — Display alternates between calibration due & current time

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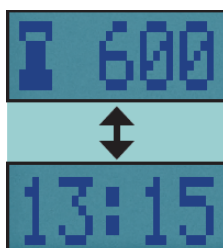
⏳ 600 ↕ 13:15 — Display alternates between zero recalibration delay symbol & current time

When analyser batteries need recharging
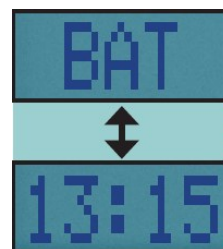
BAT ↕ 13:15 — Display alternates between BAT symbol & current time

7.1.4 STATUS BAR SYMBOLS

Status bar symbols also show your analyser status

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

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

When you see this   [icon]   Your analyser has logged / stored data
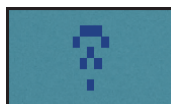
When you see this   [icon]   Your analyser is sending data to your app or printer

When you see this   [icon]   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 To change fuel, long press ENTER, use ▲ or ▼ to select then ENTER

7.2 MEASURE TEMPERATURE

Rotate dial to **TEMP** and connect your Type K temperature probe thermocouple plug to analyser gas temperature socket T1 - See section 2 where to connect.

To measure differential temperature, connect another Type K temperature probe thermocouple plug to analyser ambient temperature socket T2.

To measure flow & return temperature, use T1 for flow & T2 for return temperature.

If a probe is not connected to T2, analyser internal temperature calculates net temperature.

T1   75.0c   — Use T1 connection for flow temperature measurement

T2   22.2c   — Use T2 connection for return temperature measurement

ΔT   52.8c   — Net temperature calculation

08:25 ▶ ▮   — Status bar
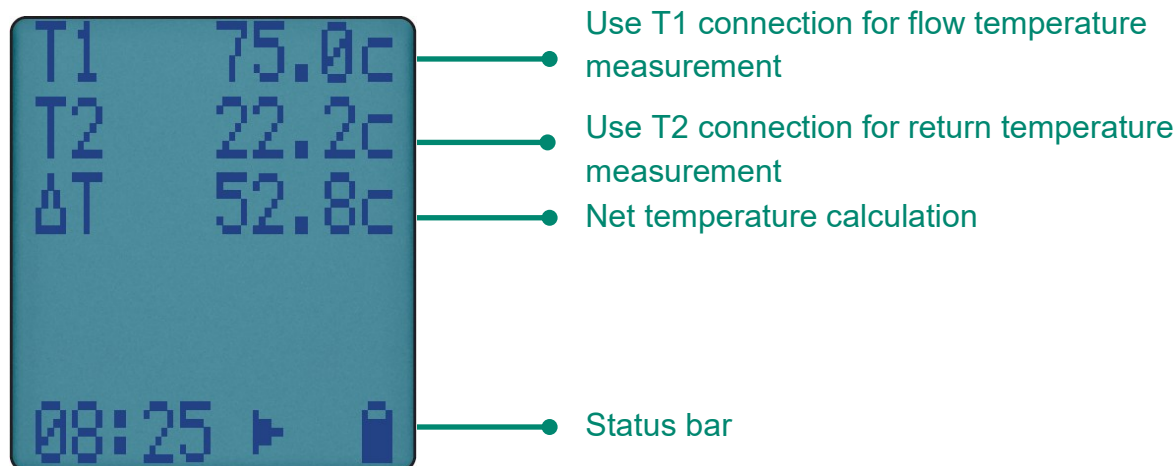
See section 8 to send, print, store & manage tests.

7.3 O2 / EFF - MEASURE BOILER PERFORMANCE & EFFICIENCY

Rotate dial to **O2 / EFF** to view combustion efficiency measurements

Check gas probe and temperature plug are correctly connected to your analyser before taking measurements - See section 2

Display	
O2 5.0%	Oxygen measurement or calculation
ηnc 97.6%	Combustion efficiency calculation
T1 75.0c	T1 Flue Temperature measurement
ΔTc 52.8c	T2 Inlet Temperature measurement
	Nett Temperature calculation
08:25	Status bar

See section 8 to send, print, store & manage tests

NOTE: Always power on analyser in fresh outdoor air when performing auto zero calibration countdown.
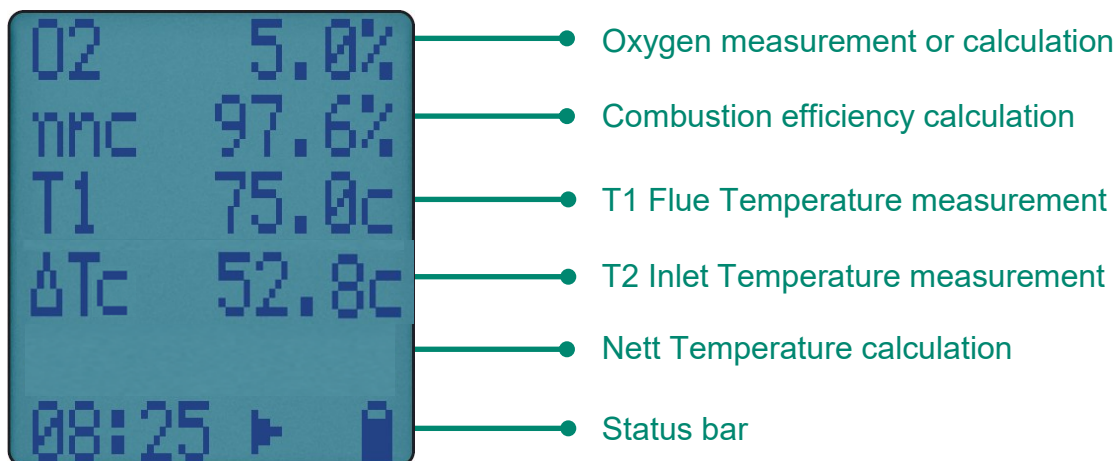
7.4 CO / CO2 - MEASURE BOILER SAFETY & RATIO

Rotate dial to **CO / CO2** to view combustion safety measurements

Check gas probe and temperature plug are correctly connected to your analyser before taking measurements - See section 2

Display	
Ra 0.0043	CO / CO2 Ratio calculation
CO 390p	CO measurement
CO2 9.0%	CO2 measurement or calculation
XAIR 32.1%	Excess air calculation
LOSS 2.4%	Losses calculation
08:26	Status bar
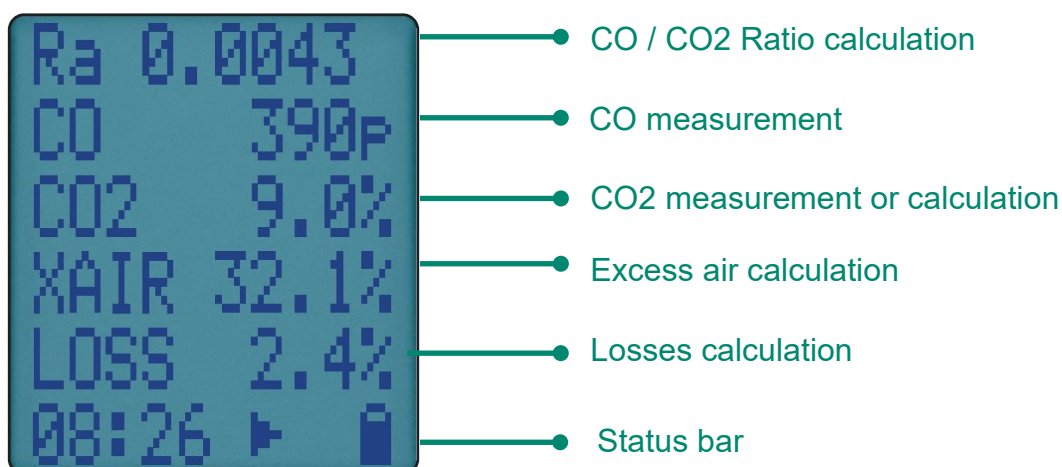
See section 8 to send, print, store & manage tests

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

8 SEND, PRINT, STORE & MANAGE TESTS

This section explains how to manage your test results - in summary:

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

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

8.1 SEND TO OPTIONAL KANE INFRA RED PRINTER

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

Set printer type - See section **6.2**

Power on printer and place printer infrared receiver in line with analyser emitter - Allow 15cm gap between analyser infrared emitter & printer.

Short press SEND to transfer a test result or log - Analyser offers a destination choice.

8.2 ANALYSER MEMORY

Your analyser stores up to 45 tests, called logs.

For example: combustion logs or any combination of combustion, Temperature logs up to 45.

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

To view memory status, rotate dial to **MENU** then select **LOGS** using ▲ or ▼ & ⬅

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


TMP          0  ────● No. of stored Temperature logs
MEM      1/30  ────● Total memory used
▶ VIEW    ◀  ────● Memory menu options
```
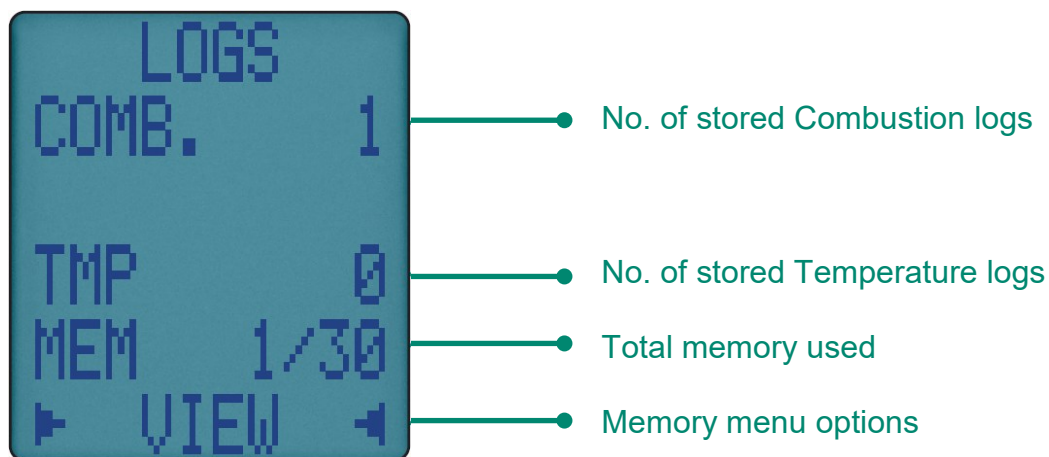
8.3 MEMORY MENU OPTIONS

▶ VIEW ◀ ────● View stored logs if available

▶DEL ALL ◀ ────● Delete all stored logs if available - to delete long press ⬅

▶ EXIT ◀ ────● Return to main menu
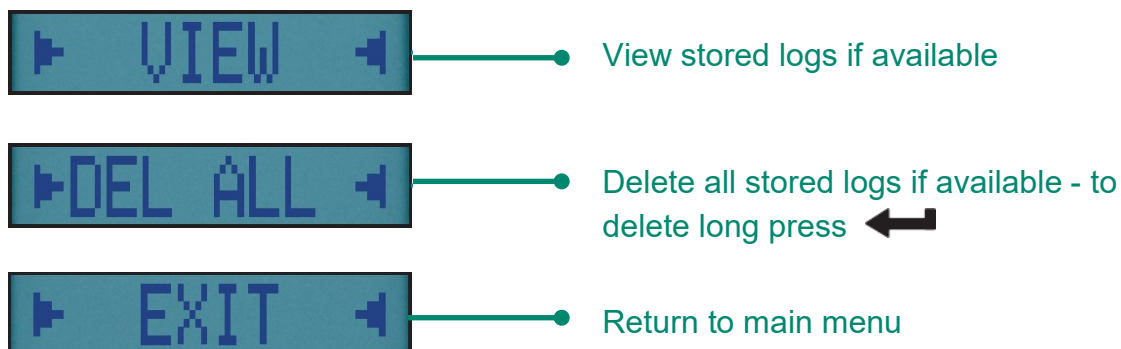
8.4 VIEW & MANAGE STORED LOGS

To view your reports, select **VIEW** option from **LOGS** Menu:

LOGS
VIEW

► EXIT ◄

List of available LOGS
Navigate and select via ▲ & ▼ ⏎

SELECT LOG TYPE

► COMB. ◄ — View Combustion Logs

► TMP ◄ — View Temperature Logs

► EXIT ◄ — Return to previous menu
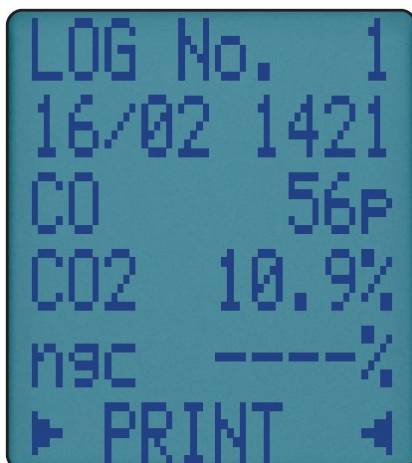
SELECT LOG STORED

After you select report type first log is displayed:

LOG No.   1
16/02 1421
CO   56ᵖ
CO2   10.9%
n9c   ----%
► PRINT ◄

LOG number of that type

Time & date of Log

Measurements & calculations specific to log type

Navigation menu options

SELECT LOG OPTIONS

PRINT ●————— Print current selected log

NEXT ●————— Navigate to next 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 PRINTOUTS

10.1 Combustion

```
KANE
KANE158
SW00337 3.12

COMPANY NAME
TELEPHONE NUMBER

SERIAL NO.      932325013

DATE            05/06/25
TIME            11:38:16
------------------------
CAL DUE         03/06/26
------------------------

COMBUSTION
------------------------
FUEL             NAT GAS
CO O2 REF    %      3.0
CO2          %      0.00
O2           %      20.9
CO           ppm      0
CO/CO2            0.0000
T1           °C    ----
T2           °C    ----
Ta           °C    22.0
NETT         °C    ----
EFFnc        %     ----
LOSS         %     ----
XAIR         %     O2++
------------------------

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

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

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

10.2 Temperature

```
KANE
KANE158
SW00337 3.12

COMPANY NAME
TELEPHONE NUMBER

SERIAL NO.      932325013

DATE            05/06/25
TIME            11:36:56

------------------------
CAL DUE         03/06/26
------------------------

TEMP.
------------------------
T1           °C    ----
T2           °C    ----
NETT         °C    ----
------------------------

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

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

REFERENCE
.........................
.                       .
.                       .
.........................
```
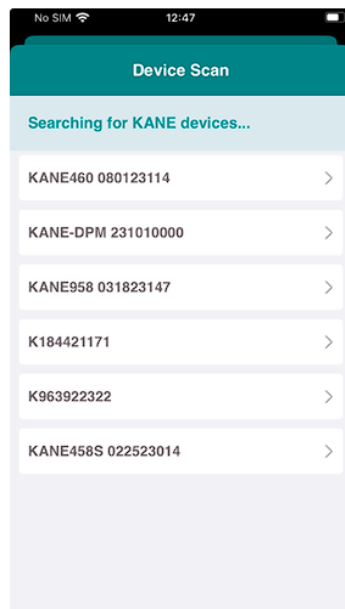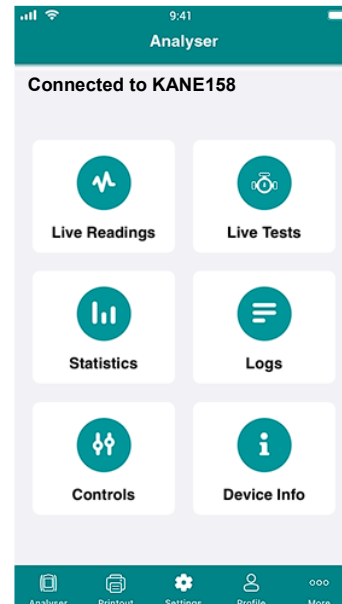
11 CONNECT TO KANE LIVE

NOTE: Download KANE LIVE app to your smartphone or tablet & enable Bluetooth on your device

Open KANE LIVE and tap CONNECT

To scan for you KANE158

Locate your KANE158 by serial

number, and tap to connect

Once connected KANE LIVE

presents a list of functions

12   NECESSARY REGULAR MAINTENANCE

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

12.1   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 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 filter from water trap
3. Ensure water trap is completely dry
4. Attach new 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

Red filter carrier: CM50302

12.2 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.

13 COLD WEATHER PRECAUTIONS

Do not leave your flue gas analyser in a cold place overnight.

Electronic devices that become cold suffer when taken into a warm place. Condensation may form causing performance degradation and permanent damage.

Analyser sensors are affected by condensation - When this happens, oxygen or carbon dioxide readings display as "-" & sensors may be permanently damaged.

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

If you still experience problems please call our Customer Service team on 0800 059 0800 5pm to 6pm any normal weekday.

14 GENERAL SAFETY

⚠️ SAFETY WARNING

14.1 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 not calibration - calibration exposes your analyser to known reference gas mixtures. Analyser readings are then adjusted to the reference gas concentration.

14.2 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

⑮ MEASURING FLUE GASES

After analyser zero countdown ends, insert probe into sampling point & flue gas centre - Use probe depth stop cone to set position

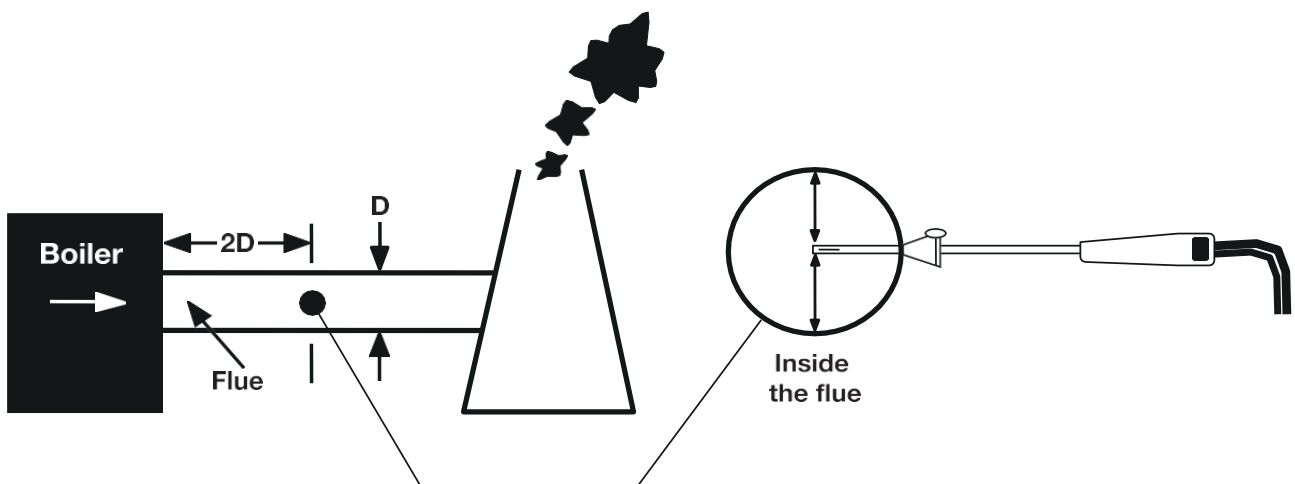For balanced flues, push probe into flue so air cannot "Back Flush"

Check readings are stable and within expected range.

NOTE: Do not let probe tip touch flue pipe was as this lets water vapour into the probe.

⚠ SAFETY WARNING

Probe handle may be hot - Take care removing probe!

Do not exceed analyser operating specifications - In particular.

- Do not exceed probe maximum temperature - 600°C
- Do not exceed analyser internal temperature operating range
- Do not put analyser on a hot surface
- Do not exceed water trap levels
- Do not let the analyser particle filter become dirty and blocked

Check readings are stable and within expected range

16 SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature 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 Monoxide	0 - 2000ppm	1ppm	±3ppm or ±5% of reading (whichever is greater)
Oxygen	0 - 21%	0.1%	±0.3% Volume
Calculations			
Carbon Dioxide	0 - 20%	0.1%	±0.3% Volume
CO/CO2 Ratio	0 - 0.9999	0.0001	±5% of reading
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. Digester Gas, Wood Pellets Heavy Oil		
European	Natural Gas, Light Oil, Bio Oil, Coke, LPG, Wood, Town Gas, Butane & Propane		
Battery Life	>8 hours (continuous with pump on)		
Certification	KANE158 is Independently tested and certified to EN 50379 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		

SPECIFICATIONS CONTINUED

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

17 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

KANE158 conforms with relevant harmonization legislation:

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
KANE158 are independently tested and certified to EN 50379,
Parts 1 & 3

EMC
EN50270:2015

SAFETY
EN61010-1:2010

ROSH (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 2024

Paul Morrison
Engineering Manager

KANE UKAS
Calibration Certificates

KANE UKAS ISO 17025 Calibration bration certificates

KANE UKAS certificates deliver peace of mind
★ Your analyser tested in our UKAS test centre
★ Your analyser tested to the highest standard
★ Your analyser tested in the most controlled environment
★ Your analyser tested by the best equipment
★ Your analyser suitable for legal submission

KANE UKAS Applications
– Room CO migration tests
– CO poisoning incident investigations
– Combustion plant in strictly controlled facilities
– Customers wanting best accuracy confirmation

UKAS is the only authority accrediting UK laboratories -
KANE is the only analyser manufacturer accredited to ISO 17025.

KANE UKAS guarantees the best possible calibration certificate
to the highest degree of accuracy.

KANE UKAS certificates are recognised worldwide,
suitable for legal submission.

Order when you buy or organise KANE CARE -
KANE UKAS certificates are fixed price and add 1
day to delivery.

All prices exclude VAT

KANE LOCK

Your Stolen Analyser Automictically Disabled

19

KANE Analyser Theft Protection

Analysers are essential instruments, valuable & often stolen

You know a stolen analyser means no work, no income & higher premiums

1 Connect your KANE analyser to KANE LIVE

2 Select your 6 digit PIN

3 Your analyser performs weekly status check

4 If stolen or lost, analyser stops working

5 Analyser restarts when reconnected to your smart device or after reset by KANE
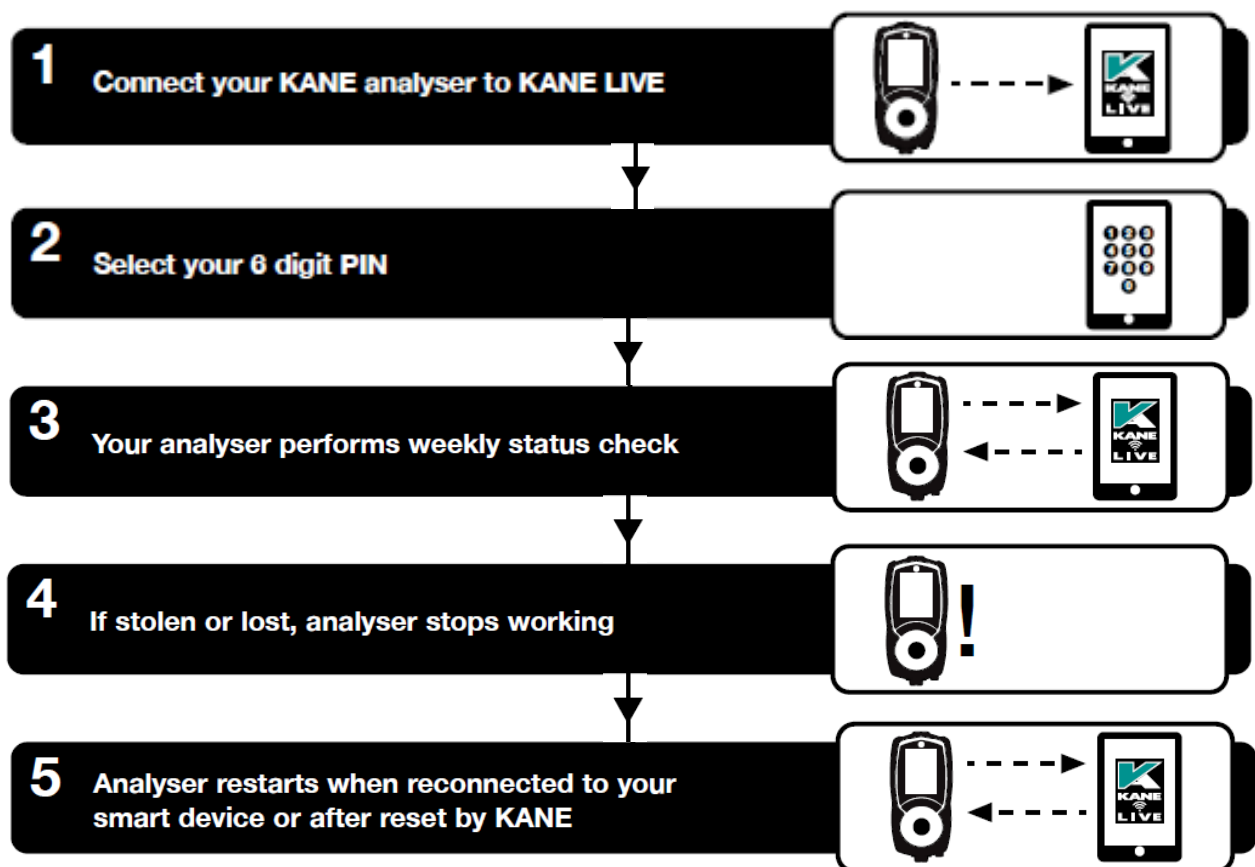
KANE CARE 50% off theft plan:

1 if your analyser is stolen, register police crime reference number on **kane.co.uk**

2 Call to order your price analyser

3 If your stolen analyser is returned, we return it subject to Police permission
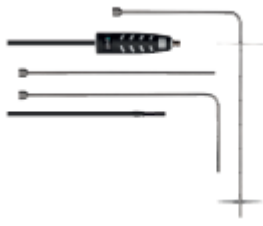
NOTE:

KANE LOCK works with new shape wireless analyser - if unsure, call

KANE LOCK requires weekly connection to KANE LIVE on your Android or IOS smart device

KANE LOCK stops your analyser working after 1 Week if separated from your smart device.

All prices exclude VAT

20 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 • 2m neoprene hose
	CP30	• 240mm combined flue gas & pressure probe • 6mm diameter • 2m neoprene hose
	CP35	• 300mm flexible probe • 8mm diameter • 1m neoprene probe

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

21 ANALYSER KIT OPTIONS

Options	PRO KIT	CPA KIT	OIL KIT
Analyser, probe, charger & 14102/2 large soft case	✓	✓	✓
GLD Gas leak detector	✓	✓	
KAL & KPCP (x2) Temp probes	✓	✓	
KAL1 & WPCP (x2) wireless temp probes			
HARHOUSE Pressure tubing	✓	✓	
ASP3 Oven, Grill & fire probes		✓	
KANEMSP & SP9 Smoke pump & papers			✓
18121 Oil Gauges			✓

22 SPARE PARTS & CONSUMABLES

	KANE-IRP3 KANE Infra-Red Printer
	USB1 USB charger for KANEx58, KANE-EGA1,2, & 3
	B15 4 X 2000 mAh rechargeable batteries **NOTE:** battery make may differ
	PF400/5 - 5 x particle filter for: KANECO91, 100, 101, 250, 251, 255, 158, 258, 358, 425, 450, 451plus, 452NO, 455, 456, 457, 458, 458s, 504, 958, EGA1, 2 & 3
	TP5 - 5 x thermal printer rolls for: KANE-IRP, KANE-IRP2 & KANE-IRP3 infra-red printers
	SM11103 Replacement probe connector for KANE100, 101, 250, 251, 255, 451plus, 452NO, 455, 456, 457 & 458 and replacement pressure probe connector for KANEx58, 975, 988 & EGA1,2 &3
	SM14980 Replacement flue gas probe connector for KANEx58, 975, 988, EGA1, 2 & 3
	SM50515 Replacement water trap for KANEx58, EGA1, 2 & 3

23 RECYCLING

THIS PRODUCT CONFIRMS WITH THE FOLLOWING

CE

RoHS

REACH COMPLIANT
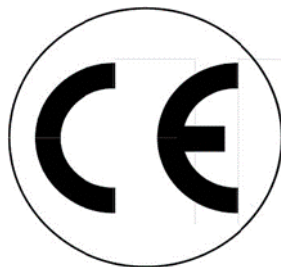
PLEASE RECYCLE

PACKAGING MADE IN THE UK

Welcome to KANE CARE

24 **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
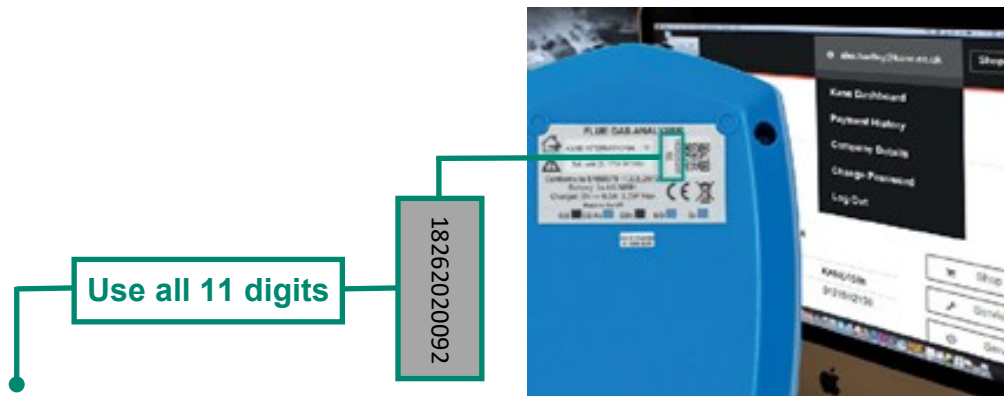
★ Please **register** your analyser on our website to download your instruction manual

★ **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**

★ **Any questions? Call 0800 059 0800 / +44 1707 375550 UK 5pm - 6pm any normal weekday**

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
www.kanecare.eu www.kaneint.com
www.kanecare.co.uk www.kanecare.net

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE — ESSENTIAL INSTRUMENTS OUTSTANDING SERVICE LIFETIME WARRANTY

ESSENTIAL INSTRUMENTS
OUTSTANDING SERIVE
LIFETIME WARRANTY

UK & Ireland
Same Day Despatch
KANE CARE Service & Recertification

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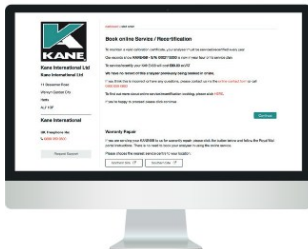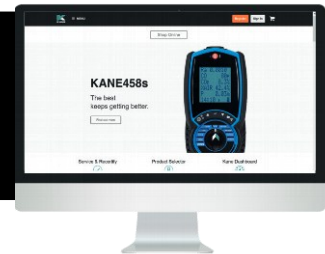
Book & pay to Service & Recertify via your dashboard

Select FREEPOST for tracked carriage - UK & Ireland mainland only

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

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

KANE CARE UK & Ireland Service & Recertification

KANE CARE - Outstanding Service or Your Money Back - forever

★ **Lifetime warranty with annual Service & Recertification**

★ **Same Day Service & Recertification guaranteed**

★ **Lifetime all inclusive pricing - price you see is price you pay**

★ **Free next day tracked delivery to KANE & 9am next day return & Saturday**

★ **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 & www.kanetest.ie - some exclusions apply more info at: www.kane.co.uk/service-and-re-certification

KANE CARE 5 Year Service Plan

Our 5 year KANE CARE service plan - all the benefits of KANE CARE plus:

★ **Peace of mind - no further costs for 5 years**

★ **10% saving on your KANE CARE Service & Recertification**

★ **Theft protection cover - if stolen we replace your analyser fer free**

★ **Secure activation via www.kane.co.uk**

★ **Annual UKAS Calibration Certificate option**

more info at: www.kane.co.uk/service-plan

T&Cs apply

KANE CARE 5 Year Service Plan Options*	
KANE5SP - KANE158, 258, 358 & 458s	
KANE5SP with UKAS certificates	
KANE4605SP - KANE458s IAQ, 460 & 958 with standard sensors	
KANE4605SP with UKAS certificates	
7 & 10 year Service Plans available - call for details	

*Standard configuration analyser

All prices exclude VAT

25 THANK YOU - PLEASE REGISTER YOUR ANALYSER

Thank you for buying this analyser.

Before use, please register on our website or scan QR code

web: www.kane.co.uk
email: sales@kane.co.uk
telephone: 0800 059 0800

Stock No: MAN00662 Rev: 1