Essential instruments

Engine & industrial emissions
July 2022 Unpriced

Made in the UK

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE ★★★★★ CARE

10 YEAR WARRANTY

FREEPOST SERVICE

20 YEAR ALL INCLUSIVE

Welcome to our latest Engine & Industrial Combustion Emissions Testing catalogue

We are the only UK manufacturer of engine & industrial exhaust gas analysers with a 10 year warranty if serviced annually. From Autos to Zambonis, buses to boilers & cars to container ships, we have a KANE analyser for you

All backed by KANE CARE - Our promise to never let you down and winner of the Queen's Award for Innovation

Here's what's new:

- ★ KANE EGA - Our range of Exhaust Gas Analysers adaptable to your needs
- ★ KANE958 & 988 - Commercial & Industrial Gas Analysers with flexible sensor combinations & KANE LINK™ technology for wireless measurement of CO, temperature, airflow & humidity
- ★ KANE-GCU - Portable Gas Conditioner for MCERTS & TUV compatible NO_2 & SO_2 emissions measurements for our KANE958 & 988
- ★ KANE-TCAM Thermal Imaging Camera – Combines surface temperature & real-time thermal imaging - See the unseeable!
- ★ KANE78 & KANECO2 - Unique ID card holder with personal Carbon Monoxide (CO) alarm & portable indoor air Carbon Dioxide (CO_2), temperature & humidity monitor

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

If you're not sure what you need, please call us on **0800 059 0800** or visit www.kane.co.uk

Working with leading gas industry companies including

ATAG HEATING TECHNOLOGY · BAXI · Cadent Your Gas Network · COCHRAN · CORGI Technical Services · e·on

EOGB · Ferroli · Firebird Central to Heating · Gas Safe Register · Glow-worm · GRANT

HomeServe · ideal · INTERGAS · morgan LAMBERT · ovo energy · RIELLO

SAACKE Better Life Energy · SCOTTISHPOWER · sse · SureMaintenance · Vaillant · WARMFLOW INNOVATIVE | RELIABLE | EFFICIENT

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Trade Associations & CO Safety Awareness

HHIC Heating & Hotwater Industry Council
CoGDEM The Council of Gas Detection and Environmental Monitoring
IGEM
HETAS
Gas Safety Week
CO-Gas Safety The Carbon Monoxide and Gas Safety Society
ASCP
OFTEC Associate Member
CEA Combustion Engineering Association
benchmark
SNIPEF Associate
Carbon Monoxide Be Alarmed!

Global Quality, Environment, Health & Safety

bmtrada bmtrada bmtrada UKAS

UK CA CE

Auxiliary Heaters to Zamboni Machines

Engine Exhaust Testing

see pages 5-12

Which KANE EGA is right for me?

Analysers supplied with:

EGA with wireless module, EP1 probe, charger & carry bag

Made in the UK

KAM

KANE Asset Manager (KAM)
Manage your EGA recertification with FREE postage

What do I need?	EGA1	EGA2	EGA3	EGA4	EGA5
Exhaust Gas Analyser	✔	✔	✔	✔	✔
Wireless connectivity	✔	✔	✔	✔	✔
KANE LINK™	✔	✔	✔	N/A	N/A
CO 0-10,000ppm	Select	Select	Select	N/A	N/A
CO 0-10%	One	Two	Three	✔	✔
O_2 0-21%	Sensor	Sensor	Sensor	✔	✔
CO_2 0-20%	Option	Options	Options	✔	✔
NO(x) 0-1500ppm	Only	Only*	Only*	Option	✔
HC 0-5000ppm				✔	✔
AFR / LAMBDA				✔	✔
NDIR - CO, CO_2 & HC				✔	✔

What do I get?

KANE-EGA1, 2 & 3

KANE-EGA4 & 5

Optional extra:

KANE-IRP3 Infra Red Printer

For full details see pages 6-10

*One CO sensor option only

KANE-EGA1/2/3 LINK

Spot check engine safety & efficiency

What do I get?

Handheld exhaust analyser for up to 3 gases
Your EGA - Your way

What are the options?

Select up to 3 sensors from these options:

CO 0-10,000ppm*

CO 0-10% (100,000ppm)*

CO_2 0-20%

O_2 0-21%

NO 0-1500ppm

Which EGA would I like?

Single Gas | Two Gas | Three Gas

KANE-EGA1 | **KANE-EGA2** | **KANE-EGA3**

*One CO sensor option only

Supplied with:

- Wireless module & KANE LINKTM, EP1 emissions probe, USB1 charger & 17820 carry bag

Exhaust Gas Analyser with 6 line display

- Spot check faulty exhausts & catalytic converters
- Test diesel engine NOx emissions
- Test vehicle & warehouse air quality
- Check vehicle cab heaters
- Compact & quick to use with large display

Applications

- Test performance & safety of any fossil fuelled car & commercial vehicle
- Also tests: fork lift trucks, ice rink machines, in vehicle heaters, motorbikes, scooters, generators & compressors

Measures (depending on sensor fitted)

- CO 0-10,000ppm
- CO 0-10%
- CO_2 0-20%
- O_2 0-21%
- NO 0-1500ppm

Calculates (if NO sensor fitted)

- NOx 0-1500ppm

Fuel Types

- Petrol/Gasoline
- CNG
- LPG
- Diesel

Features

- Rotary dial & 6 line display for ease of use
- Wireless connects to KANE LIVE & 3rd party Apps
- Wirelessly connect to optional KANE LINK™ enabled devices
- Store up to 99 tests
- Compact design with protective rubber sleeve & magnets for hands free operation
- Rugged & portable with protective magnetic rubber sleeve for "hands-free" use
- Integrated water trap with replaceable particle filter
- USB Charger with rechargeable, long life batteries
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

Diesel Generator NOx test

In cab heater CO_2 test with EP5 probe

Probe & accessory options

EP2	300mm exhaust probe with 6M tubing & in-line particle filter	
EP3	230mm motorcycle exhaust probe with 1.5M tubing	
EP4	As EP3 & measures exhaust temperature	
EP5	In cab heater probe	
KANE-IRP3	Infra Red Printer	

KANE LINK options

KANE-WPCP2	Wireless LINK temp clamp probes - connect as a pair	
KANE-DTHA2	Wireless LINK airflow, temp & RH	
KANE79	Wireless LINK CO monitor to 999ppm	

See KANE LINK devices on pages 21 - 24

KANE CARE ★★★★★ | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

KANE LINK™ devices - see pages 21-24

KANE-EGA4/5

Diagnose engine performance with unique NDIR sensor technology

What do I get?

Handheld exhaust analyser for 4 or 5 gases
Your EGA - Your way

What are the options?

KANE-EGA4	KANE-EGA5
CO 0-10%	**CO** 0-10%
CO2 0-20%	**CO2** 0-20%
HC 0-5,000ppm	**HC** 0-5,000ppm
O2 0-21%	**O2** 0-21%
Lambda 0.8-1.2	**Lambda** 0.8-1.2
	NO 0-1500ppm

Which EGA would I like?

Supplied with:

- Wireless module, EP1 emissions probe, CL5 USB Lead, CU12VDC2A21 charger & 14102/2 carry bag

Four Gas

KANE-EGA4

Five Gas

KANE-EGA5

Exhaust Gas Analyser with graphic display

- Unique Non-Dispersive Infrared (NDIR) analyser designed to meet official test standards
- Measure any engine exhaust
- Diagnose existing & potential engine / exhaust / catalytic converter faults quickly
- HC helps identify fuel flow, misfire & EVAP problems
- Ideal for pre-compliance & roadside compliance testing - local laws may apply
- Lambda & AFR helps improve engine efficiency & fuel consumption
- Test vehicles under real world driving conditions
- Take EGA to vehicle, not vehicle to analyser

Applications

- Real time vehicle / engine testing in workshop or on road
- Instant assessment of engine, exhaust system & catalytic converter
- Vehicle smog checks, tune ups & diagnostics
- Check repair work with before & after test
- Maintain engines to manufacturers specification

Measures

- CO 0-10%
- CO_2 0-20%
- HC 0-5000ppm
- O_2 0-21%
- NO 0-1500ppm optional

Calculates

- Lambda/AFR 0.8-1.2
- NOx 0-1500ppm optional

Fuel Types

- Petrol/Gasoline
- LPG
- CNG
- Diesel

Features

- Large graphic display
- Unique NDIR sensor package for accurate, fast measurements
- Wireless connects to KANE LIVE & 3rd party Apps
- Fast warm up
- Rechargeable battery with minimum 4 hour life, AC & 12v in-vehicle chargers as standard
- Language options - English, French, German, Spanish, & Italian
- Rugged & portable with protective rubber sleeve
- Document test results with optional KANE-IRP3 printer
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

KANE CARE ★★★★★ | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

Fork lift truck emissions test

Exhaust analysis & engine diagnostics

Sensor, probe & accessory options

NOX 4-2+	NOx upgrade 0-1500ppm for KANE-EGA4	
EP2	300mm exhaust probe with 6M tubing & in-line particle filter	
EP3	230mm motorcycle exhaust probe with 1.5M tubing	
EP4	As EP3 & measures exhaust temperature	
EP5	In cab heater probe	
KANE-IRP3	Infra Red Printer	

KANE-AUTO600

Portable Diesel Smokemeter

- Unique battery & mains powered smokemeter designed to meet official test standards
- Extracts vehicle exhaust into a smoke sample chamber with a near monochromatic visible light source (NMVLS)
- NMVLS obscuration allows accurate measurement of vehicle smoke density
- Smoke density displayed in real time on wireless handset

Low Emissions Zone test

Supplied with:

- EPDEA1 high temp exhaust probe, SM12993 neutral filter, KANE-IRP3 portable infrared printer, CA13600-3 in vehicle 12V charger & 19603 AC Charger

Made in the UK

Applications

- Partial flow tester for Continuous & Peak diesel engine exhaust smoke testing
- Meets recognised accuracy & repeatability standards for Cat A (Cars & light commercial) & Cat B (Commercial) vehicles

Measures

- Hartridge units (%H) & k (/m)

Fuel Types

- Diesel

Features

- Remote handset with large display & easy operation
- Fully portable & self powered - Rechargeable battery with minimum 3 hour life
- AC & 12v in-vehicle chargers as standard
- Compact, light design easy to position on all vehicle exhausts
- Handset connects via wireless or cable
- Peak measurement %Hu & /m
- Self calibration after each test maintains accuracy
- Document test results with KANE printer supplied as standard
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

KANE CARE ★★★★★ | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

Diesel engine smoke test

Wireless smoke test

Pollution spot test

Boilers to Marine Engines

Efficiency & Emissions Testing

see pages 15-28

Which KANE958 & 988 kit is right for me?

Analysers supplied with:

FGA with wireless module, CP2T combustion probe, charger & 2016 backpack with 2 PSI pressure sensor & hose - KANE9206 in heavy duty case & CHSP6 probe

Made in the UK

Independently tested by TUV SUD to EN50379
Use for BS7967 & TB143

KAM

KANE Asset Manager (KAM)
Manage your FGA recertification with FREE postage

What do I need?	KANE958	KANE988	KANE9206
Flue Gas Analyser	✔	✔	✔
Temp & Pressure	✔	✔	✔
Wireless connectivity	✔	✔	✔
Sensor upgrades	Up to 4	Up to 9	Up to 9
KANE LINK™	✔	✔	N/A
Indoor air quality	KANE-DTHA2*	KANE-DTHA2*	N/A
MCERTS	Pending	Pending	Pending
NO_2 & SO_2 gas conditioning	KANE-GCU*	KANE-GCU*	KANE-GCU9206**
Large graphic display		✔	✔
> 5 MW boiler / 50 mbar draught		✔	✔
Continuous monitoring			KANE-GCU9206*
Active flow control			✔
GPS location identity			✔
Integral printer			✔

What do I get?

Optional extra:

KANE-IRP3
Infra Red Printer

KIT

PRO KIT

OIL KIT

For full details see pages 17-28

*Optional extra **Optional extra please specify 110 or 230 volt

KANE958 LINK

Kit options with analyser & probe

KANE958 KIT

KANE958 PRO KIT

KANE958 OIL KIT*

*This kit does not include the NO sensor

Optional extra:

KANE-GCU**

Gas conditioning unit

- Full details see page 40

KANE LINK™

Our wireless measurement & future proof promise

Use your KANE LINK analyser & optional devices to safely measure:

- Boiler & Heat Pump flow & return
- Home & workplace IAQ, airflow & humidity
- CO migration tests - up to 4 simultaneously
- 100% H2 appliances when required
- HVO appliances when required

KANE LINK options:

KANE-WPCP2	Wireless LINK temp clamp probes - connect as a pair	
KANE-DTHA2	Wireless LINK airflow, temp & RH	
KANE79	Wireless LINK CO monitor to 999ppm - connect up to 4	

See KANE LINK devices on pages 21-24

KANE958

- Gas analyser with CO sensor over-range protection, CP2T combustion probe & USB1 charger, 2 psi pressure sensor & pressure hose

H_2 HYDROGEN READY

Sensor Options

KAM

Made in the UK

Independently tested by TUV SUD to EN50379
Use for BS7967 & TB143

Commercial analyser

KANE958 Gas Analyser measures O2 & CO with over-range protection

- Test any boiler up to 5 MW or 50 mbar stack draught
- Measures O_2 to 21% and CO to 10,000ppm with H_2 compensation
- Option to measure CO to 100,000ppm / 10% & 2 toxic gases
- Easy to use rotary dial with large display
- Purge pump protection prevents accidental damage to CO sensor
- Wireless as standard - connect to optional KANE LINK™ enabled devices
- Hydrogen (H_2) ready – up to 20% blend
- MCERTS (pending) compatible with optional KANE-GCU Gas Conditioning Unit for NO_2 & SO_2

Applications

- Install & service domestic oil & gas appliances – optional emission sensors for local regulations
- Commission & service industrial boilers, marine boilers, engines & compressors
- Safety checks – CO in rooms or around appliances
- Combustion performance checks
- Combustion efficiency checks
- Flue Draught

Measures

- O_2 0-21% ppm
- CO 0-10,000ppm H_2 compensated
- Differential temperature
- High accuracy differential pressure meter +/- 160mbar
- NO 0-5,000ppm (option)
- NO_2 0-1,000ppm (option)
- High Range CO 0-10 % (option)
- SO_2 0-5,000ppm (option)

Calculates

- CO_2
- Excess air
- NOx (option)
- CO/CO_2 ratio
- Combustion efficiency
- Reference gases

Fuel Types

- Natural Gas
- Butane
- Biogas
- Wood pellets
- LPG
- Light oil
- Heavy oil
- Coke
- Propane
- Coal

Features

- Rotary dial & 6 line display
- View, hold, store & print test results to optional KANE-IRP3 printer or KANE LIVE & 3rd party apps
- Worklight
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

Flue Gas Analysis

Sensor options - up to 2

NO 0-5,000ppm	
NO_2 0-1,000ppm**	
SO_2 0-5,000ppm**	
CO 0-10% replaces standard CO sensor*	

*not with optional SO_2 sensor

Probe & accessory options

CHSP5	285mm high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
CHSLP5	1m high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
KMCE10	10m hose & thermocouple extension	
KANE-GCU**	Gas conditioning unit	

KANE CARE ★★★★★ | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

KANE LINK™ devices - see pages 21-24

** Use KANE-GCU to measure NO_2 & SO_2

KANE988

KANE988

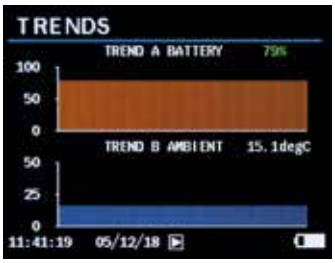
- Gas analyser supplied with CP2T combustion probe, CU12VDCA21 charger, 20106 backpack, MSC00017 handset pouch & 2 psi pressure sensor & pressure hose

H2 Ready

Made in the UK

Independently tested by TUV SUD to EN50379
Use for BS7967 & TB143

Testing boiler efficiency



Boiler trend analysis

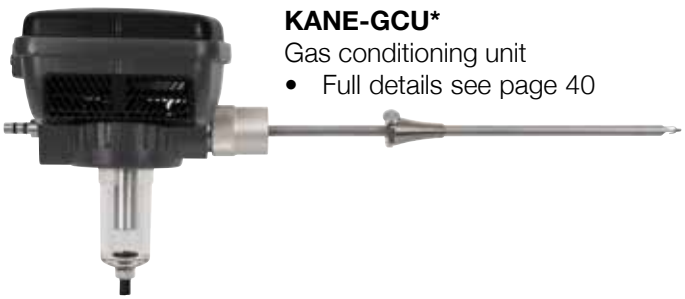
Testing boiler emissions

Optional extra:

KANE-GCU*

Gas conditioning unit

- Full details see page 40



Industrial analyser

KANE988 Industrial 9 Gas Analyser

- As KANE958 plus:
- Test any size boiler with high suction pump
- Also measures CO to 100,000ppm / 10%, HC to 5000ppm & CO2 to 20%
- Option for 4 toxic sensors
- Large keypad & graphic colour display

Applications

- Install, commission & service large oil, gas or biomass appliances - optional emissions sensors for local regulations
- Accurate NO_2 & SO_2 measurements with optional KANE-GCU gas conditioning unit
- Safety checks
  - CO in a room or around an appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue draught

Measures (Standard Kit)

- O_2 0-21%
- CO 0-10%
- CO 0-10,000ppm H_2 compensated
- CO_2 0-21%
- HC 0-5,000ppm
- Temperature - inlet / flue gas / differential / ambient
- High accuracy differential pressure meter +/- 160mbar

Calculates (Standard Kit)

- CO_2 - 0-99%
- CO/CO_2 ratio
- Excess air
- Combustion efficiency
- NOx (if NO sensor fitted)

Fuel Types

- Natural Gas (x2)
- Town Gas
- Anthracite
- Wood Pellets
- Bio Gas
- LPG
- Kinsale Gas
- Gascor
- Butane
- Heavy oil / 35 sec
- Propane
- Coke
- LPG
- User fuel (x5)
- Light oil / 28 sec
- Coal

Features

- Supplied with CP2T Teflon lined flue probe
- View, log & store up to 8,000 test results to transfer to KANE LIVE app, PC or optional KANE-IRP3 printer
- Long life battery recharged in situ
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

KANE LINK™

Our wireless measurement & future proof promise

Gas Engine Testing with optional CHSP5 probe

Sensor options - up to 4

NO 0-5,000ppm	
NO_2 0-1,000ppm*	
SO_2 0-5,000ppm*	
H_2S 0-200ppm	

Probe & accessory options

CHSP5	285mm high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
CHSLP5	1m high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
KMCE10	10m hose & thermocouple extension	
KANE-GCU*	Gas conditioning unit	

KANE CARE ★★★★★ | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

KANE LINK™ devices - see pages 21-24

* Use KANE-GCU to measure NO_2 & SO_2

KANE LINK

°C|F

IAQ

CO

Wireless measurement & future proof

FGA / EGA sold separately

KANE-WPCP2

°C|F

Wireless Pipe Clamp Temperature Probes x2

Features:

- Wirelessly measure & display system temps including:
  - Flow & return
  - Boiler commissioning test
  - Monobloc Heat Pumps
- See real time results on your KANE FGA
- Works in tight spaces for pipe diameters up to 38mm
- Instant On technology
- Range: 0 - 80°C
- Wirelessly connect to KANE LINKTM enabled devices
- 100m line of sight range

KANE-WPCP1

°C|F

Wireless Pipe Clamp Temperature Probe x1

KANE-DTHA2

IAQ

KANE-DTHA2 Wireless Airflow, Temperature, & Humidity Anemometer

Features

- Wirelessly measure airflow, temperature & humidity
- See real time results on your KANE FGA
- Test A/C units & kitchen extraction fans
- Calculate outlet volume flow with dimensions & geometry
- Instant On technology
- Airflow: 1.1 to 20 m/s;
  Temp: -20 to +50 C; RH: 0.1 to 99%
- Optional extender probe - p/n: 20128
- IOS / Android App available
- Wirelessly connect to KANE LINKTM enabled devices

KANE79

CO

Wireless Ambient Carbon Monoxide (CO) Monitor

Features

- Safely add Room CO tests to display & test reports when outside a potentially dangerous room
- Detects 0 – 999ppm CO to 1 ppm resolution
- Green, Yellow, Red alarm & audible alert with Max & Hold
- Wirelessly connect to KANE LINKTM enabled devices
- Test up to 4 rooms simultaneously

Made in the UK

Alarm LED Indicator Levels

0 to 1 ppm	○
2 to 9 ppm	●
10 to 19 ppm	●
≥20 ppm	●

KANE79 is for ambient testing only

DO NOT place in flue gas or warm air streams

KANE LINK™

Use our KANE LINK™ devices & your KANE LINK™ enabled FGA / EGA to balance heating systems, check A/C units, kitchen fans or test rooms, boiler houses, & truck cabs for CO

Compatible with KANE458s, 958, 988 & KANE-EGA1/2/3 analysers

KANE79

Wireless Ambient & Personal CO Monitor

Features

- CO 0 - 999ppm to 1ppm resolution
- Large display with visual & audible alarms, MAX & Hold display options
- Safely test rooms & passenger compartments from outside using your KANE LINK™ analyser
- View, store & transfer CO tests on your KANE LINK™ analyser or KANE LIVE app
- Perform 4 tests simultaneously linking up to 4 KANE79 to your KANE LINK™ analyser
- Quickest way to perform UK CMDDA1 multiple room CO migration tests

CPS1
Optional Extra: Combustion probe stand 2.1m max height

Alarm LED Indicator Levels

0 to 1 ppm	○
2 to 9 ppm	●
10 to 34 ppm	●
≥35 ppm	●

KANE79 is designed for ambient testing only. DO NOT place the instrument in flue gas or warm air streams

Wireless measurement on a KANE FGA / EGA

CO monitoring & investigation

KANE9206

Industrial Boiler & Burner Commissioning

KANE9206

- Supplied with remote handset, pressure connectors, PTFE lined CHSP6 probe, CL5 USB Lead, 19603 charger & heavy duty case

Made in the UK

H2 Ready

Industrial analyser

Marine Engine Emissions Testing

KANE9206 Quintox - Industrial & semi continuous 9 Gas Emissions Monitor

- Test boilers with stack draught over 50 mbar with high suction pump
- Long term unattended testing with 64,000 test memory, remote handset & large graphic display
- Unique 5 gas sensor technology
  O_2 0-21%, CO 0-10,000ppm H_2 compensated CO 0-10%, HC 0-5000ppm & CO_2 0-20%
- Option for 4 toxic sensors
- Perform unattended boiler commissioning tests with automatic fresh air purge and optional WTS9206P automatic water trap
- Perform MCERTS (pending) compatible emissions tests with optional gas conditioning unit, heated line & probe
- Perform cold condition tests with optional KHSA sensor heater

Measures (Standard Kit)

- O_2 0-25%
- CO 0-10,000ppm H_2 Compensated & 10% NDIR
- CO_2 0-21%
- HC 0-5,000ppm
- Flue Temp 0-1100°C
- Pressure 0-150 mbar

Calculates (Standard Kit)

- CO_2 - 0-99%
- NOx (if NO sensor fitted)
- Excess Air
- Combustion efficiency
- Pitot tube measurement (if using 3rd party pitot tube)

Fuel Types

- Natural Gas (x2)
- Wood Pellets
- Kinsale Gas
- Heavy oil / 35 sec
- LPG
- Coal
- Town Gas
- Bio Gas
- Gascor
- Propane
- User fuel (x5)
- Anthracite
- LPG
- Butane
- Coke
- Light oil / 28 sec

Features

- Large Graphic Display with 15 lines of text & data
- Optional Gas Conditioning Unit for accurate NO_2 & SO_2 measurement
- Wireless & cable link between Analyser & Handset for remote monitoring
- GPS to pinpoint exact test location
- Wireless & USB link to PC
  - Use KANE LIVE software for "real time" monitoring or test results transfer to a PC, tablet or smartphone
- Large internal memory to store up to 64,000 tests
- Main Purge
  - Zero & refresh sensors without removing probe from flue
  - Automatic sensor 'over range' protection
- Active Flow Control
  - Pump speed auto adjusts to stack pressure changes & filter dirt
- Integral printer & option to use KANE-IRP3

Sensor options - up to 4

KH2S/Q	**H_2S** 0-1000ppm sensor*	
KNO1H/Q	**NO** 0-5000ppm sensor	
KNO2/Q	**NO_2** 0-1000ppm sensor*	
KSO2H/Q	**SO_2** 0-5000ppm sensor*	

Probe & accessory options

CHSLP6	1m high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
KMCE10	10m hose & thermocouple extension	
KHSA	Toxic Sensors Heater	
WTS9206P	Automatic emptying water trap - not needed with KANE-GCU9206	
KANE-GCU9206*	Gas Conditioning Unit & Automatic Water Trap	
KMHL3000*	3m Heated Line to 120°C	
KMHP1200*	1m Heated Probe to 120°C	

- Backed by KANE CARE - We promise to never let you down or your money back
- 10 year warranty when serviced & recertified by KANE

KANE CARE | 10 YEAR WARRANTY | FREEPOST SERVICE | 20 YEAR ALL INCLUSIVE

Use all * items to measure NO_2, SO_2 & H_2S - select 110 / 230 voltage

KANE LIVE APP

Compatible with Apple & Android Devices

KANE LIVE FREE FROM THE APP & PLAY STORE

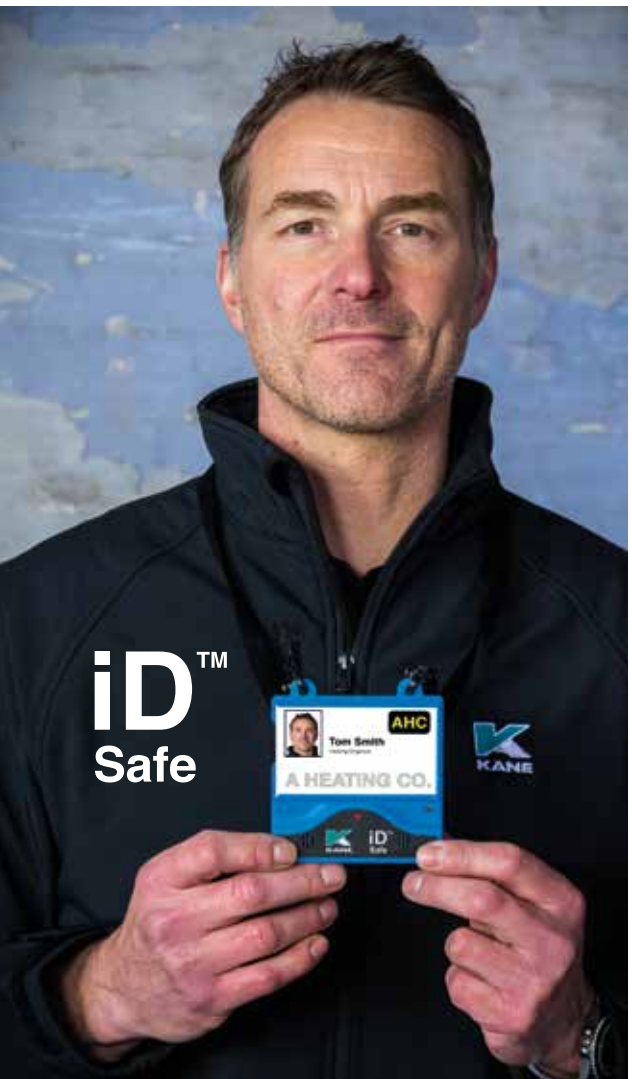
KANE LIVE connects & controls your KANE Flue Gas Analyser

Key Benefits:

- View, share & record live tests
- Snap shot test results like a printer
- Generate PDF reports & certificates*
- Add company & user profiles
- Send test results in CSV for spreadsheets
- GPS tag your location
- Control analyser pump, torch & fresh air purge
- Help via in-app guides & KANE Knowledge Centre
- Quick link to kane.co.uk, e-mail & social media for FAQs & feedback

* market dependent

IMPORTANT! KANE analysers must have a wireless module fitted. Contact us for more details



Personal Protection

KANE78

iD Safe™ Personal CO Alarm & ID Holder

Features

- 2 in 1 CO alarm & ID badge holder
- Protects you from high CO levels wherever you are
- Displays your ID badge
- Audible & visual alarm over 20ppm CO
- 2 years "fit & forget" life
- Supplied with lanyard

Alarm Levels

In accordance with EH40/2005 (Fourth Edition 2020)

Alarm LED		Alarm trigger point CO >20ppm
Battery LED		Replace iD Safe™
Activity LED		iD Safe™ is active

KANE78 is a personal CO alarm - Once activated, it operates for up to 2 years if alarm doesn't activate

Audible alarm ≥ 75db

Test up to 4 rooms simultaneously

KANE79

Wireless Ambient & Personal CO Monitor

Features

- CO 0 - 999ppm to 1ppm resolution
- Large display with visual & audible alarms, MAX & Hold display options
- Safely test rooms & passenger compartments from outside using your KANE LINKTM analyser
- View, store & transfer CO tests on your KANE LINKTM analyser or KANE LIVE app
- Perform 4 tests simultaneously linking up to 4 KANE79 to your KANE LINKTM analyser
- Quickest way to perform UK CMDDA1 multiple room CO migration tests

Indoor Air Quality

KANE-CO2

Indoor Air Quality (IAQ) Carbon Dioxide Monitor

Application

- Monitors CO_2 concentration, relative humidity & temperature

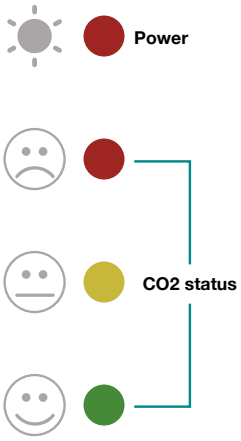
Measures

- Ambient CO_2 0-5000ppm
- Relative humidity RH 5-95%
- Temperature 0°C to 90°C / 32°F to 195°F

Features

- Large display & touch button operation
- Low drift CO_2 NDIR sensor with long lifespan
- Audible & visible alarm
- Chart with variable time zoom levels
- CO_2 / RH / Temperature monitor tracer
- Auto-calibration on power on & manual calibration
- Max / min value display in real time
- Supplied with USB cable & manual

LED Indicators



Health & Safety Executive (HSE) report CO_2 monitors help identify poor ventilation increasing risk of COVID Aerosol transmission

Analyser sold separately

Pressure Meters

Contents: Pressure meter supplied with HARHOSE pressure hose, rubber sleeve & hard carry case MSC00238

KANE3500

High Accuracy Differential Pressure Meters with temperature compensation & test results data transfer

Description

- Measure flue draft & gas / air ratio valves on high efficiency boilers
- Test Smart Meter integrity after installation
- Automatic Tightness Testing on KANE3500-1 & KANE3500-2
- Print test results with user details to optional printer
- Wireless data transfer option

Features

- 5 versions available - see table for specifications
- KANE3500-1 Resolution to 0.1 pascal / 0.001 mbar
- Temperature compensated for superior accuracy
- Switchable between high & low resolution
- Switchable between:
  mbar, Pa, hPa, kPa, mmHg, mmH_2O, inH_2O & PSI
- Data hold & max / min recording
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

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

KANE3500

KANE3500-1	Range ± 1 psi / 80 mbar	
KANE3500-2	Range ± 2 psi / 160 mbar	
KANE3500-5	Range ± 5 psi / 400 mbar	
KANE3500-15	Range ± 15 psi / 1040 mbar	
KANE3500-30	Range ± 30 psi / 2070 mbar	
WLEM-Q	Wireless iOS / Android module added to any KANE3500	

Made in the UK

KAM

KANE Asset Manager (KAM)
- Fastest way to manage recertification with FREE postage

KANE3200

High Accuracy Differential Pressure Meter

Description

- Easy to use, two button pressure meter with integral magnet for hands free operation

Features

- Switchable between:
  mbar, Pa, hPa, kPa, mmHg, mmH2O, inH2O & PSI
- One button zeroing
- Long battery life
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

Contents: Pressure meter supplied with HARHOSE pressure hose, rubber sleeve & HARPOUCH soft pouch

PRD2

Pressure Relief Device

Description

- When completing a tightness test the PRD2 lets you bleed off any excess gas pressure

KANE-IRP3

Infra-red printer

- Supplied with USB1 charger

Produce print outs using optional printer KANE-IRP3 Infra-Red Printer

Leak Detection

KANE-EGD

Combustible Gas
Leak Detector

- EGD detects combustible gas leaks from:
  20ppm Hydrogen
  50ppm Methane & Propane

Gases Detected

Acetone	Gasoline/Petrol	Naphtha
Alcohol	Hydrogen	Natural Gas
Ammonia	Industrial Solvents	Propane
Benzene	Jet Fuel	Thinners
Butane	Lacquer	Toluene
Ethylene	Methane	

Features

- Flexible goose neck probe
- Solid state semi conductor sensor
- Detection levels <50ppm methane
- Indicators - audible tic rate & visual multi-coloured LEDs
- Tip light

Supplied with carry case PN: MSC00239

Visual 3 colour LED indication

KANE-RGD

Refrigerant Gas
Leak Detector

- RGD detects refrigerant gas leaks of:
  CFC, HFC, HCFC, R11, R22, R134a etc

Features

- Flexible goose neck probe
- Solid state semi conductor sensor
- Detection levels 10g / year based on R134a
- Indicators - audible tic rate & visual multi-coloured LEDs
- Tip light

Supplied with carry case
PN: MSC00239

KANE-GLD

Combustible Gas Leak Detector

Applications

- Pin-point small combustible gas leaks

Gases Detected - same as KANE-EGD

Features

- Flexible shaft 180mm long
- Solid state semi conductor sensor
- Audible & visual indicators
- >50ppm methane detection limit

Leak detectors do not measure gas levels

Thermal Imaging

KANE-TCAM

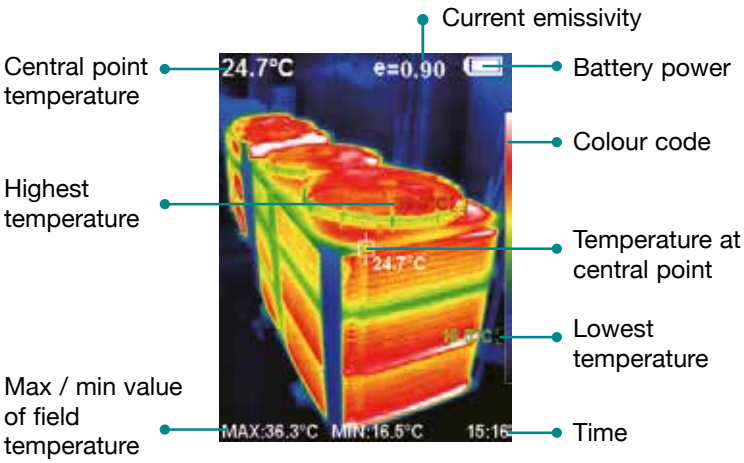
Thermal Imaging Camera

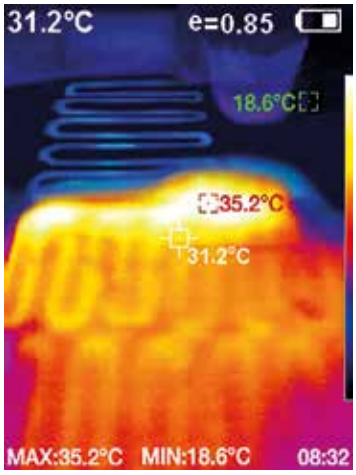
Combines surface temperature measurement & real-time thermal imaging - See the unseeable!

Features:

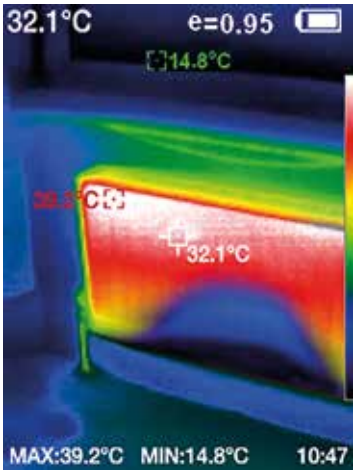
- Large colour display & on-screen cursor
  - Accurately locate temperature hotspots
- 3GB SD Card Data storage
  - Store up to 20,000 images that can be extracted through USB
- Rechargeable battery
  - 3 hours during normal operation
- Temperature -20 - +300°C
- Four types of surface measurement modes:
  - Coarse surface
  - Semi-matte surface
  - Semi-shiny surface
  - Shiny surface
- Ideal problem solver for:
  - Plumbing & Heating
    - Radiators, underfloor heating, energy auditing or water damage
  - Automotive
    - Heated seats & windows, high resistance in wiring, overheating wiring or components
- Supplied with USB charger & hard carry case MSC00237

Display Screen 2.8 inch full view TFT display

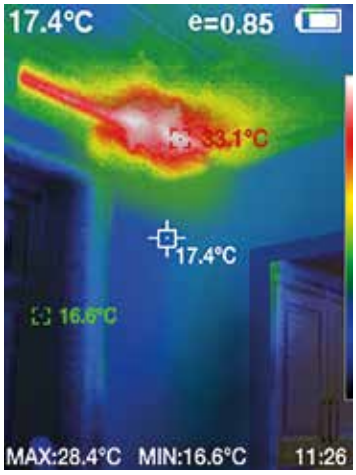




Underfloor heating



Blocked radiators



Invisible leaks

Temperature

DT200

Digital Thermometer

Description
- Durable, versatile & fast responding
- Uses J, K or T thermocouple types
- High accuracy
- Backlight display is easy to read

Features
- Temperature -200 to +1370°C / -328 to +2498°F
- Time stamped multifunction record
- Relative function displays temperature change
- Data hold
- Protective rubber boot
- Dual input, triple display, differential temperature (ΔT)

H & V KIT

Heating & Ventilating Kit includes DT200

Features
- See DT200 for features & specification
- Supplied with:
  DT200 Differential Thermometer
  2 x KWA1 wrap around pipe probes
  1x KAL1 air liquid probe
  1 x KSP1 surface probe
  1 x KFT1 flexible probe
  Carry case

KANE-INF165C

Infra-Red Thermometer

Description
- Easy, comfortable non-contact temperature testing

Measures
- Temperature -60 to +550˚C / -76 to +1022˚F

Features
- Circular laser targeting
- Distance to spot ratio 12:1
- Fixed emissivity 0.95
- Max value capture
- Auto off

Temperature Probes

KPCP2

Pipe clamp probe
Measures -40 to +150ºC
Jaw dia. up to 50mm

KAL1

Air / liquid & chisel probe
-50 to +500°C

KSP1

Light duty surface probe -50 to +500°C

KSP2

Heavy duty surface probe -50 to +500°C

KWA1

Wrap around pipe probe
Measures -40 to +150ºC

Electrical Test

For full specifications visit www.kane.co.uk

Safe Isolation Testing

See TB118 & 'Electricity at works regulations 1989' for more information

KANE-VCT KIT Contents:

- KANE-VCT Voltage Tester
- KANE-PU690V Proving Unit
- Kit Carry Pouch
- Batteries

KANE-VCT KIT

Voltage & Continuity Tester with 690 volt AC Proving Unit

KANE-VCT KIT combines 2 great products & pouch:
KANE-VCT & KANE-PU690V
(also available separately)

KANE-VCT

Voltage & Continuity Tester

EN 61010-1 CAT IV 600V

Features

- KANE Voltage & Continuity Tester with LED & digital voltage indication 12 - 690V AC/DC
- Includes Single Pole Detection & meets BS 61243-3:2014 GS38

KANE-PU690V

690v AC Proving Unit

EN 61010-1 CAT II 750V

Features

- Compact voltage proving unit
- Safely check voltage testers before using on live circuits

KANE-DL469

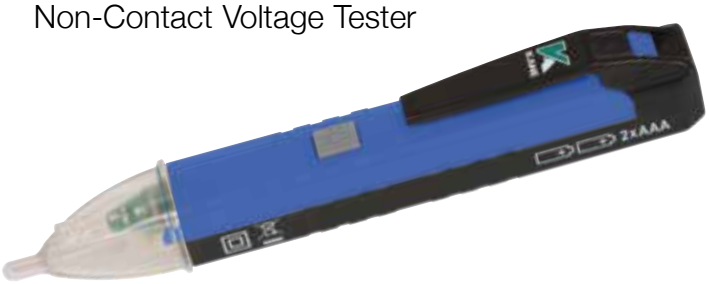
AC 400A TRMS Clamp Meter

Features

- True RMS
- 400A AC
- 750V AC / 600V DC
- Resistance 40MΩ
- DC Microamps 2000μA
- Diode test
- Non-contact voltage detection

KANE-NCV3

Non-Contact Voltage Tester

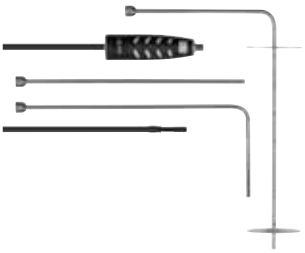
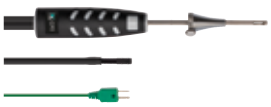
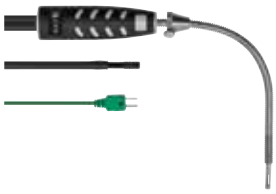


Features

- 24 to 1000V AC detection
- High / Low voltage detection
- Visual LED alert
- Audible alert
- Worklight
- Magnetic mount
- Auto power off
- Low battery warning

Combustion Probes

Combustion probes for standard temperature flue gases 600°C / 1112°F

	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	
	CP2S	• 100mm probe • 6mm diameter • 1.5m neoprene hose	
	CP2T	• 240mm PTFE lined probe • 6mm diameter • 2m neoprene hose • For KANE958, 975 & 988	
	CP30	• 240mm combined flue gas & pressure probe • 6mm diameter • 2m neoprene hose	
	CP35	• 300mm flexible probe • 8mm diameter • 1m neoprene hose	
	CP71	• 240mm probe • 6mm diameter • 0.9m neoprene hose	
	17320	• 6mm diameter depth stop cone	
	4290/2	• 8mm diameter depth stop cone	
	SM50472	• 10mm diameter depth stop cone for CP35	
	CPS1	• Combustion probe stand • 2.1m max height	

	CHSP5	• 285mm high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE958, 975 & 988	
	CHSLP5	• 1m high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE958, 975 & 988	
	CHSP6	• 285mm high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE9206	
	CHSLP6	• 1m high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE9206	
	KMCH	• 285mm replaceable shaft with max temp 1250°C/2282°F • 8mm diameter	
	KMCHL	• 1m replaceable shaft with max temp 1250°C/2282°F • 8mm diameter	
	KMHP1200	• 1m Heated Probe • 8mm diameter • Use with KMHL3000 & KANE-GCU9206 • For Quintox 9206	

KANE-GCU

KANE-GCU Gas conditioning unit

Features

- Gas conditioning unit for KANE958 & 988

- Enables accurate NO_2, SO_2 & H_2S measurements compatible with MCERTS (approval pending)
- Peltier chiller stops water condensate absorbing gas sample
- Supplied with KMCH 285mm High Temp 8mm dia probe, KMCE 10M hose & thermocouple extension & GCU1 power supply with 3M lead & EU, UK & USA adaptors

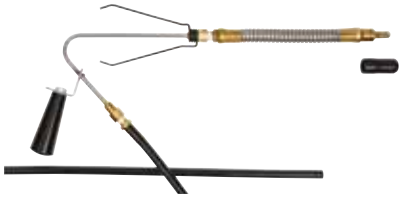
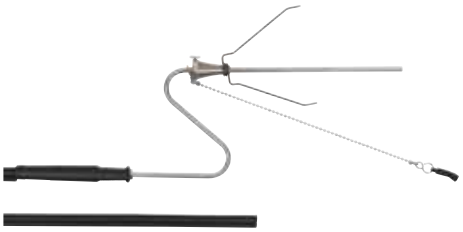
MSC00235

Hose & thermocouple extension lead for KANE-GCU

Engine Exhaust Probes

We supply a range of exhaust probes for all applications

Standard Temp = 600°C/1112°F

	EP1	• High temp stainless steel probe • 4m neoprene tubing • Insertion depth 350mm	
	EP2	• As EP1 plus: • 6m neoprene tubing • Insertion depth 300mm • Includes in-line 70 µ filter (17702) • Ideal for 'on road' & dyno testing	
	EP3	• High temp stainless steel probe for motorcycle exhaust testing • 1.5m tubing • Insertion depth 230mm	
	EP4	• As EP3 plus: • Thermocouple to measure exhaust temp	
	EP5	• In cab heater probe • 4m neoprene tubing • Insertion depth 350mm	
	EPDEA1	• Diesel Smokemeter Exhaust Probe 1m • For KANE-AUTO600	

Accessories/Consumables

	KANE-IRP3 KANE Infra-Red Printer	
	KANE-MSP KANE Smoke Test Kit	
	18121 Oil gauge kit	
	SP9 Smoke papers & chart (for use with smoke probe options)	
	PRD2 Pressure Relief Device	

Spare Parts

	FB1 Blank filter for KANE9106 & KANE9206	
	SM11105 RD99 tip assembly	
	17143 CD100A/LS1 sensor	

Batteries Chargers & Power Leads

	USB1 USB charger for KANE258, 358, 458s, 958, KANE-EGA1,2, & 3	
	18342 12V charger for KANE101, 250, 251, 255, 425, 450, 451plus, 452NO, 455, 456,457 & 458	
	19278 100-240v AC charger for KANE101, 250, 251, 255, 425, 450, 451plus, 452NO, 455, 456, 457 & 458	
	B15 4x 2000 mAh rechargeable batteries. Note: battery make may differ	
	CU12VDC2A21 Battery charger-100-240V for KANE100, 900 series, KANE975 & 988	
	19603 15v DC charger / adapter for KANE9206	
	PSL/UK UK power supply lead for KANE9206	
	PSL/UK/110 110 volt UK power supply lead for KANE9206	
	PSU00211 Power supply for KANE-GCU	

Sensors

	OS11 2 yr O_2 sensor for KANE9100, /01, /04, /06 & 9206	

Accessories/Consumables continued

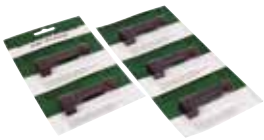
Carry Cases

	17820 Small carry bag	
	14102/2 Large carry bag	
	SM12516 Hard carry case for KANE-EGA4 & 5	
	20106 Backpack	
	MSC00237 Hard carry case for KANE-TCAM	
	MSC00238 Hard carry case for KANE3500	
	MSC00239 Hard carry case for KANE-EGD & RGD	

Filters

	AF2 Complete particle filter for KM9100, 9101, 9103, 9106 & 9206	
	AF9/5 (pack of five) Particle filters for KM9104 & KMCP40 flue probe	
	WSF1/5 (pack of five) Water Stop Filter for KANE458s & KANE958	
	WSF2/5 (pack of five) Water stop filters for KANE975 & 988	
	PF2/5 (pack of five) Filters for AF2. Also suitable for KM700, 701P, 800, 900, 975, 988 KANE-EGA4 & 5	
	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	
	SF1/5 (pack of five) SF1 sulphur filters for KM9100, 9101 (all models), KM9103, KM9106 & 9206	
	WN8 Filters for plastic bodied water traps (not in-line watertraps)	

Paper & Ribbons

	TP5 (pack of five) Thermal printer rolls for Infra-Red Printer KANE-IRP, KANE-IRP2 & KANE-IRP3	
	**DP5 (pack of five)** Printer ribbons for KANE9104, 9106 & 9206	

Probe Connectors

	SM11103 Replacement probe connector for KANE100, 101, 250, 251, 255, 451plus, 452NO, 455, 456, 457 & 458	
	SM14980 Replacement probe connector for KANE258, 358, 458s, 958, 975/988, EGA1, 2 & 3	

Water Traps

	MSC00312 Replacement water trap for KANE-GCU	
	SM50515 Replacement water trap for KANE258, 358, 458s, 958 & EGA1, 2 & 3	
	SM14209 Replacement water trap for KANE100, 101, 250, 251, 255, 451plus, 452NO, 455, 456, 457 & 458	

	SM50675 Replacement water trap for KANE975 & 988	
	SM10464 Replacement in-line water trap for KANE900series, OIML, MID & KANE-EGA4&5	

Extender Stick

	20128 Extender stick for KANE-DTHA2	

USB Lead

	CL5 USB Lead for KANE-EGA4&5 & KANE9206	

UKAS Calibration

Why choose UKAS calibration certificates?

All KANE analysers & manometers receive calibration certificates traceable to National Standards.

KANE can supply optional ISO 17025 certificates for portable analysers measuring O_2, CO, CO_2 & NO.

ISO 17025 certificates have worldwide recognition with the highest standard of proof suitable for legal submission.

KANE is the only UK analyser supplier with a calibration laboratory accredited to ISO 17025 by UKAS.

UKAS is the only authority accrediting UK calibration laboratories - visit **www.ukas.com/about/the-benefits**

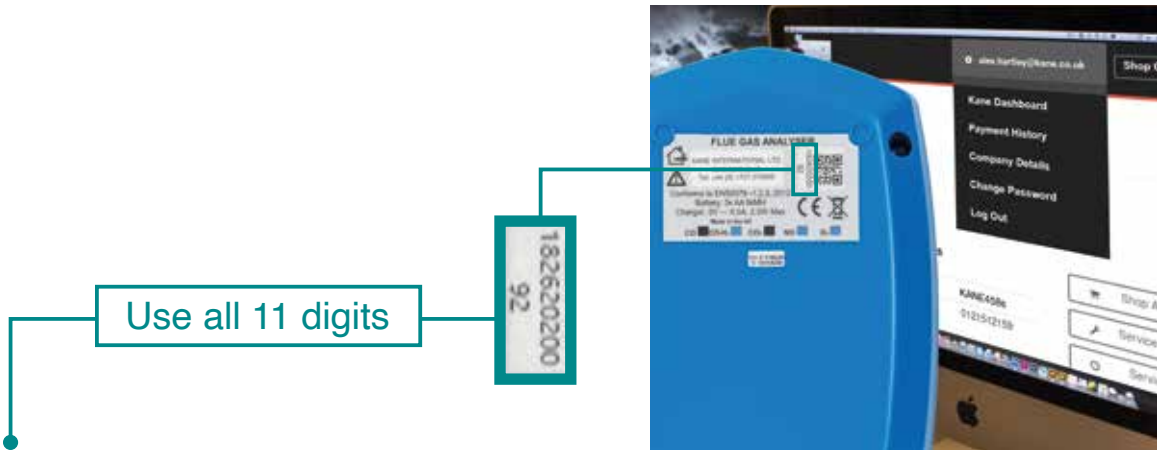
Call **0800 059 0800** for more information.

Welcome to KANE CARE

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

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

For KANE CARE International Service & Recertification
email: sales@kane.co.uk



- ★ Please **register** your analyser on our website to download the instruction manual from your KAM dashboard
- ★ **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**

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

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

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

KANE CARE

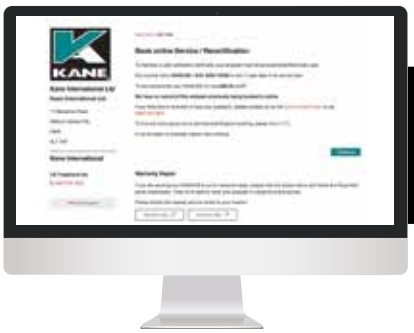
10 YEAR WARRANTY

RECERTIFY SAME DAY DESPATCH

20 YEAR ALL INCLUSIVE

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' analysers & UKAS certificates - Ireland 2 day turnaround

KANE CARE

10 YEAR WARRANTY

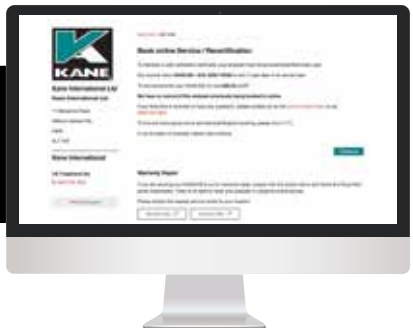
FREEPOST SERVICE

20 YEAR ALL INCLUSIVE

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

10 YEAR WARRANTY

*Excludes local tax & duty

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**
- ★ **20 Year all inclusive pricing - the price you see is the 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 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 certificate & 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

KANE Merchandise

Exclusive quality KANE brand merchandise available from our online shop
www.kane.co.uk/shop-products

KCC103

KCC104

KCC105

KCC106

KCC107

KCC108

KCC109

KCC111

KCC112

KCC114 (M or LG)

KANE MERCHANDISE

KCC103	KANE T-Shirt - Black
KCC104	KANE Polo Shirt Short Sleeve - Black
KCC105	KANE Sweat Shirt - Black
KCC106	KANE Zipped Hoodie - Black
KCC107	KANE Soft Shell Jacket - Black
KCC108	KANE Body Warmer - Black
KCC109	KANE Beanie Hat - Black
KCC110	KANE Mug & 5 Tea Bags
KCC111	KANE Multi Use Face cover
KCC112	KANE Face Mask (Non PPE)
KCC114M	KANE Socks 5-8
KCC114LG	KANE Socks 9-11

KCC110

KANE Online

Join #teamkane & get social by following @KaneAnalysers on one of our online networks

We're proud of our online community - It's a great place to get feedback, keep you up to date, host competitions, share industry news & update you on life at KANE.

It's also easy to find our 'How to' videos so please join & see what you're missing.

Facebook Groups

'How to' Videos

#teamkane

Trustpilot

Trust Us! We're proud to be rated Excellent by our customers on Trustpilot

KANE

★★★★★

CARE

10 YEAR WARRANTY

FREEPOST SERVICE

20 YEAR ALL INCLUSIVE

WE'VE GOT YOUR BACK

For more information contact

Customer Service

0800 059 0800

Email: sales@kane.co.uk

Outside UK Call +44 1707 375550

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Follow us on...

★★★★★ ★ Trustpilot

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