



Automotive & Industrial Combustion Emissions Testing

January 2022 Unpriced



CO 1.3%
CO2 14.3%
NO 100P
NOx 105P
Ta 18.5C
14:05

MEASURE
AIR
STATUS
MENU
CS

KANE Exhaust Gas
Analyser



Welcome to our latest Automotive & Industrial Combustion Emissions Testing catalogue

We are the only UK manufacturer of automotive & 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

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 & Dryer for MCERTS & TUV compatible NO₂ & SO₂ emissions measurements for our KANE958 & 988
- ★ KANE-TCAM Thermal Imaging Camera – Combines surface temperature measurement & real-time thermal imaging - See the unseeable!
- ★ KANE78 & KANECO2 - Unique ID card holder with personal Carbon Monoxide (CO) alarm & portable indoor air Carbon Dioxide (CO₂), temperature & humidity monitor

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:



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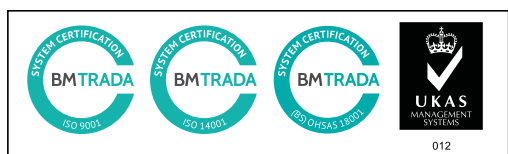
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Trade Associations & CO Safety Awareness

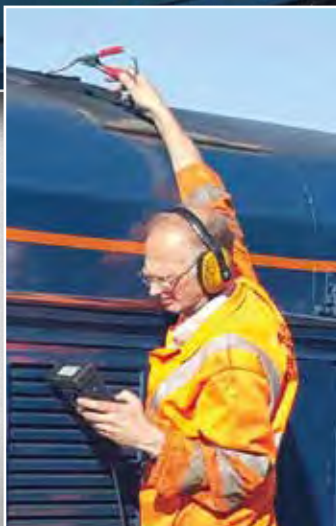


Global Quality, Environment, Health & Safety





Auxiliary Heaters to Zamboni Machines



Engine Exhaust Testing see pages 5-12

Which KANE EGA is right for me?

KANE-EGA1



KANE-EGA2



KANE-EGA3



KANE-EGA4



KANE-EGA5




Analysers supplied with:

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



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 CO LINK™	✓	✓	✓	N/A	N/A
CO 0-10,000ppm	Select	Select	Select	N/A	N/A
CO 0-10%	One	Two	Three	✓	✓
O2 0-21%	Sensor	Sensor	Sensor	✓	✓
CO2 0-20%	Option	Options	Options	✓	✓
NO(x) 0-1500ppm	Only	Only*	Only*	Option	✓
HC 0-5000ppm				✓	✓
AFR / LAMBDA				✓	✓
NDIR - CO, CO2 & HC				✓	✓



What do I get?

KANE-EGA1, 2 & 3



Optional extra:

KANE-IRP3 Infra Red Printer

KANE-EGA4 & 5



For full details see pages 6-10



*One CO sensor option only



KANE-EGA1/2/3



KANE uses the latest sensor technology & smart design to help you test any engine & fuel

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)*

CO2 0-20%

O2 0-21%

NO 0-1500ppm

Which EGA would I like?



Supplied with:

- Wireless module & KANE LINK™, EPAUTO1 emissions probe, USB1 charger & 17820 carry bag



Single Gas



KANE-EGA1

Two Gas



KANE-EGA2

Three Gas



KANE-EGA3

*One CO sensor option only

Exhaust Gas Analyser with 6 line display

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

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%
- CO₂ 0-20%
- O₂ 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 "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Auxiliary Heater CO₂ measurement

Optional extra:

KANE-IRP3
Infra Red Printer



NOx testing on diesel generators



KANE LINK™ enabled see pages 21-24





KANE-EGA4/5

Using NDIR sensor technology designed to meet official test standards to test any engine & fuel

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, EPAUTO1 emissions probe, CL5 USB Lead, CU12VDC2A21 charger & 14102/2 carry bag



Four Gas

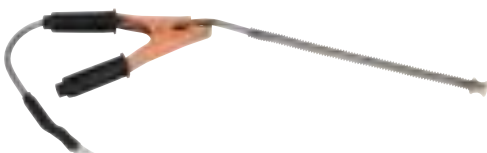
Five Gas



KANE-EGA4



KANE-EGA5



Exhaust Gas Analyser with large 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 analyser to the vehicle, not vehicle to the 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
- Verify repairs have been carried out - gas analysis should be the first & last test
- Maintain engines to manufacturers specification

Measures

- CO 0-10%
- CO₂ 0-16%
- HC 0-5000ppm
- O₂ 0-21%
- NO 0-1500ppm optional

Calculates

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

Fuel Types

- Petrol/Gasoline
- CNG
- LPG
- 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 "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Optional extras:

KANE-IRP3 Infra Red Printer

NOx upgrade 0-1500ppm for KANE-EGA4



Fork lift truck exhaust emissions measurement



Exhaust gas analysis & engine diagnostics



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



Supplied with:

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



Wireless handset enables remote operation



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 "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Car & commercial vehicle diesel engine exhaust smoke measurement





Boilers to Marine Engines



Efficiency & Emissions Testing

see pages 15-28

Which KANE FGA is right for me?



KANE958



KANE988



KANE9206

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)



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



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
Gas conditioning	KANE-GCU*	KANE-GCU*	KANE-GCU9206**
Large graphic display		✓	✓
High draught stack exhaust		✓	✓
Continuous monitoring			KANE-GCU9206*
Active flow control			✓
GPS location identity			✓
Integral printer			✓

What do I get?

KANE958



KANE988



KANE9206



Optional extra:

KANE-IRP3 Infra Red Printer



For full details see pages 17-28



KANE958

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



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

KANE958



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



Commercial analyser

KANE958 Gas Analyser with direct CO, O2 & CO sensor protection

- Tests domestic, commercial & industrial boilers up to 50mbar stack draught
- Latest upgradeable sensor technology O2 0-21% & CO 0-10,000ppm H2 compensated & toxic sensor options
- 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 (H2) ready – up to 20% blend
- MCERTS (pending) compatible with optional KANE-GCU Gas Conditioning Unit for NO2 & SO2

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

- O2 0-21% ppm
- CO 0-10,000ppm H2 compensated
- Differential temperature
- High accuracy differential pressure meter +/- 160mbar
- NO 0-5,000ppm (option)
- NO2 0-1,000ppm (option)
- High Range CO 0-10 % (option)
- SO2 0-5,000ppm (option)

Calculates

- CO2
- Excess air
- NOx (option)
- CO/CO2 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 "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Flue Gas Analysis

KANE958 optional sensors - add up to 2

NO range 0-5,000ppm

NO2 range 0-1,000ppm**

SO2 range 0-5,000ppm**

CO range 0-10% replaces standard CO sensor*

*not with optional SO2 sensor

KANE958 Probes & Accessories

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



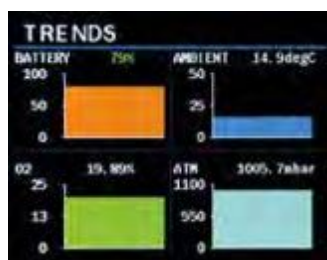
KANE LINK™ enabled see pages 21-24



** Use KANE-GCU to measure NO2 & SO2



KANE988



KANE988

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



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



Optional extra:

KANE-GCU*

Gas conditioning unit

- Full details see page 40



Industrial analyser

KANE988 Industrial 9 Gas Analyser

- Test boilers with stack draught over 50mbar with high suction pump
- Unique 5 gas sensor technology
O₂ 0-21%, CO 0-10,000ppm H₂ compensated, CO 0-10%, HC 0-5,000ppm & CO₂ 0-20%
- Option for 4 toxic sensors
- Large keypad & graphic colour display
- MCERTS (pending) compatible with optional KANE-GCU gas conditioning unit for NO₂ & SO₂
- Optional KANE LINK™ enabled devices

Applications

- Install, commission & service large oil, gas or biomass appliances - optional emissions sensors for local regulations
- Accurate NO₂ & SO₂ 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)

- O₂ 0-21%
- CO 0-10,000ppm
- H₂ compensated
- Temperature - inlet / flue gas / differential / ambient
- High accuracy differential pressure meter +/- 160mbar
- CO 0-10%
- CO₂ 0-21%
- HC 0-5,000ppm

Calculates (Standard Kit)

- CO₂ - 0-99%
- Excess air
- NO_x (if NO sensor fitted)
- CO/CO₂ ratio
- Combustion efficiency

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

- 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 "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Gas Engine Testing with optional CHSP5 probe

KANE988 optional sensors - add up to 4

NO 0-5,000ppm

NO₂ 0-1,000ppm*

SO₂ 0-5,000ppm*

H₂S 0-200ppm

KANE988 Probes & Accessories

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



* Use KANE-GCU to measure NO₂ & SO₂



KANE-WPCP2



Wireless Pipe Clamp Temperature Probes (x2)

Features

- Wirelessly measure & display system temps including:
 - Flow & return
 - Boiler commissioning test
 - Air Source Heat Pumps
- Real time results on a KANE LINK™ enabled FGA / EGA
- Works in tight spaces for pipe diameters up to 38mm
- Instant On technology
- Range: 0 - 80°C / 32 to 176°F
- 100m line of sight range

KANE-WPCP1



Wireless Pipe Clamp Temperature Probe (x1)



Wireless measurement on a KANE FGA / EGA

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

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

KANE-DTHA2



Wireless Airflow, Temperature, & Humidity Adaptor

Features

- Wirelessly measure airflow, temperature & humidity
- Real time results on a KANE LINK™ enabled FGA / EGA
- 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%
- 100m line of sight range
- Optional extender probe - p/n: 20128



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



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

CPS1

Optional Extra:
Combustion
probe stand
2.1m max
height



Wireless measurement on a KANE FGA / EGA

CO monitoring & investigation



FGA / EGA & stand sold separately

KANE958 & KANE988

KANE uses the latest sensor technology & smart

Boilers up to 50 mbar stack draught

What do I get?



Standard configuration - O₂ 0-21%
CO 0-10,000ppm H₂ compensated

Need different sensors?



You can change your CO sensor & add up to
2 optional sensors

NO 0-5,000ppm

NO₂ 0-1,000ppm

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

SO₂ 0-5,000ppm*

Which kit would I like?



KIT



PRO KIT

For advice building your kit please call

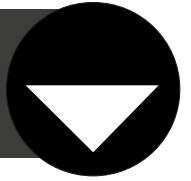
Your analyser - your way

design to help you test any boiler on any fuel



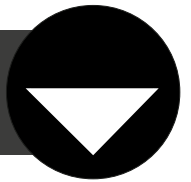
Boilers up to & over 50 mbar stack draught

What do I get?



Standard configuration - O₂ 0-21%
CO 0-10,000ppm H₂ compensated & 0-10% auto ranging
HC 0-5,000ppm & CO₂ 0-20%

Need different sensors?



You can add up to 4 optional sensors

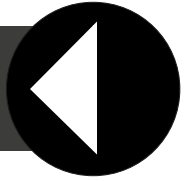
NO 0-5,000ppm

NO₂ 0-1,000ppm

SO₂ 0-5,000ppm

H₂S 0-200ppm

Accessories? see page 20



OIL KIT

0800 059 0800 or see www.kane.co.uk

KANE9206



Industrial Boiler & Burner Commissioning

KANE9206

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



Industrial analyser

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
O₂ 0-21%, CO 0-10,000ppm H₂ compensated
CO 0-10%, HC 0-5000ppm & CO₂ 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)

- O₂ 0-25%
- CO 0-10,000ppm
H₂ Compensated
& 10% NDIR
- CO₂ 0-21%
- HC 0-5,000ppm
- Flue Temp 0-1100°C
- Pressure 0-150 mbar

Calculates (Standard Kit)

- CO₂ - 0-99%
- NO_x (if NO sensor fitted)
- Pitot tube measurement (if using 3rd party pitot tube)
- Excess Air
- Combustion efficiency

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 NO₂ & SO₂ 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



Marine Engine Applications

KANE9206 optional sensors - add up to 4

KH2S/Q	H ₂ S 0-1000ppm sensor*
KNO1H/Q	NO 0-5000ppm sensor
KNO2/Q	NO ₂ 0-1000ppm sensor*
KSO2H/Q	SO ₂ 0-5000ppm sensor*

KANE9206 Probes & Accessories

CHSLP6	1m professional high temp smoke probe PTFE lined with removable shaft & 4m neoprene hose
KMCE	10m hose & thermocouple extension
KHSA	Toxic Sensors Heater
WTS9206P	Automatic emptying water trap
KMHP1200*	1m Heated Probe to 120°C
KMHL3000*	3m Heated Line to 120°C
KANE-GCU9206*	Gas Conditioning Unit & Automatic Water Trap
WTS9206P	Pumped Water Trap



- Backed by KANE CARE - We promise to never let you down or your money back
- 10 year "no quibble" warranty when serviced & recertified by KANE

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



iDTM
Safe

Personal Protection

KANE78

iD SafeTM 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



Alarm Levels

In accordance with EH40/2005 (Fourth Edition 2020)

Alarm LED    Alarm trigger point CO >20ppm

Battery LED    Replace iD SafeTM

Activity LED   iD SafeTM is active

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



Audible alarm \geq 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 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



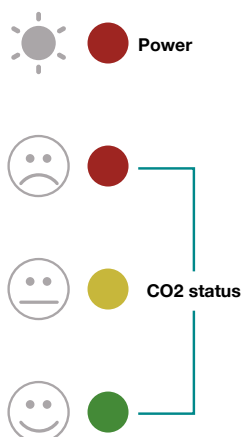
Indoor Air Quality



Contents

- CO2 Monitor unit, USB cable, manual

LED Indicators



Analyser sold separately

KANE-CO2

Indoor Air Quality (IAQ) Carbon Dioxide Monitor

Application

- Used to monitor CO2 concentration, humidity (RH), & temperature (Temp) for indoor air quality monitoring

Measures

- Ambient CO2 0-5000ppm
- Temperature 0°C to 90°C (32°F to 195°F)
- Relative humidity (RH) 5-95%

Features

- Large display
- Touch button operation
- 15° Bevel design, easy to read
- Low drift NDIR sensor, long lifespan
- Audible & visible alarm
- Chart with variable time zoom levels
- CO2/RH/Temperature monitor tracer
- Auto-calibration & manual calibration
- Max/min value display in real time

Health & Safety Executive (HSE) report
CO2 monitors help identify poor ventilation
increasing risk of COVID Aerosol transmission

Temperature



KANE-TCAM

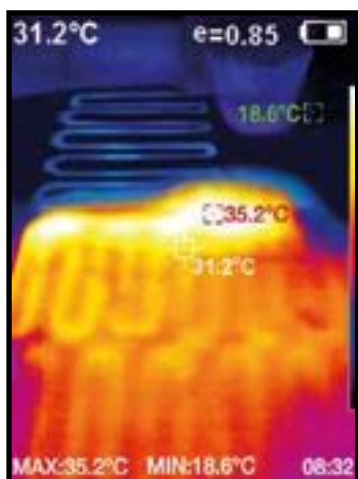
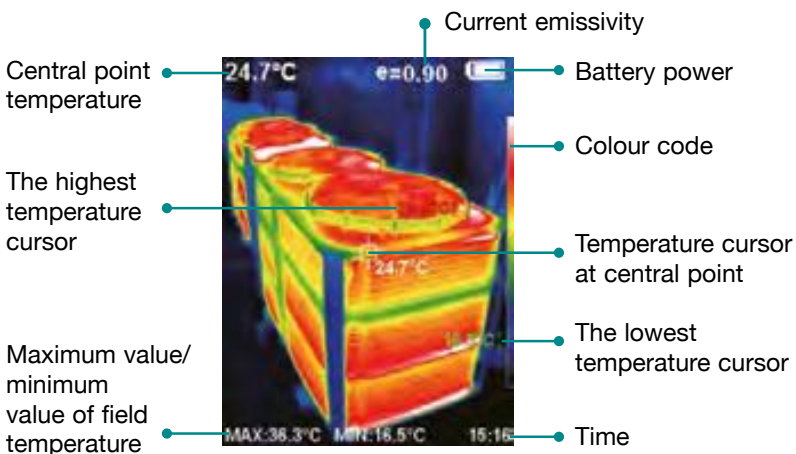
Thermal Imaging Camera

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

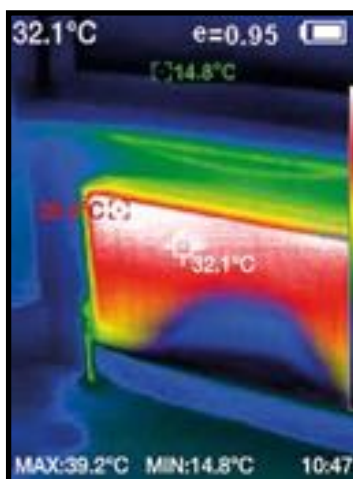
Features:

- 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
 - 2-3 hours use in normal operation
- Temp range of -20 to +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

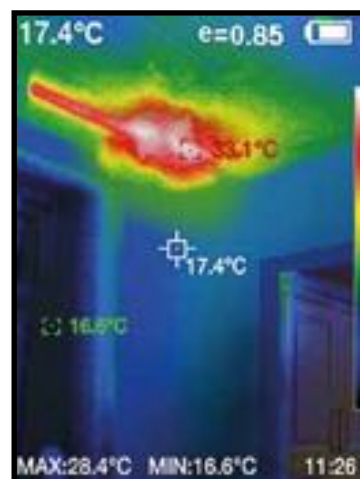
Display Screen 2.8 inch full view TFT display



Underfloor heating



Blocked radiators



Invisible leaks

DT200

Digital Thermometer

Description

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

Features

- Range -200 to +1,370°C (-328 to +2,498°F)
- Timestamped 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
 - 1 x 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 Range
-60 ~ 550°C (-76 ~ 1022°F)

Features

- Circular laser targeting
- Distance to Spot ratio: 12:1
- Fixed Emissivity 0.95
- Max value capture
- Auto off



Temperature Probes

KAL1

Air / Liquid & Chisel probe -50 to +500°C



KSP1

Light Duty Surface Probe -50 to +500°C



KPCP2

Pipe Clamp Probe
Measures -40 to +150°C
Jaw dia. up to 50mm



KSP2

Heavy Duty Surface Probe -50 to +500°C



KWA1

Wrap Around Pipe Probe
Measures -40 to +150°C



Leak Detectors

KANE700

Combustible Gas
Leak Detector

Gases Detected

- Include- Acetone, Alcohol, Ammonia, Benzene, Butane, Ethylene, Gasoline- Petrol, Hydrogen, Industrial Solvents, Jet Fuel, Lacquer, Thinners, Methane, Naphtha, Natural gas, Propane, Toluene

Features

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



Visual 3 colour LED indication



Leak detectors do not
measure gas levels

KANE-GLD

Combustible Gas Leak Detector

Applications

- Pin-point small combustible gas leaks

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 shaft 180mm long
- Solid state semi-conductor sensor
- Audible & visual indicators
- Supplied with 2 x AA batteries
- >50ppm methane detection limit



RD99

Refrigerant Gas
Leak Detector

Features

- Detects CFC, HFC & HCFC including R11, R22, R32, R134A, etc
- Locate R134A leaks to 14 gm/yr
- Flexible gooseneck probe
- Easy single handed operation
- Audible & visual indicators
- Rubber sleeve protects detector & probe





Pressure Meters

KANE3500 Range

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, mmH₂O, inH₂O & PSI
- Data hold & max/min recording
- 10 year "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

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

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



KANE Asset Manager (KAM)
- Fastest way to manage your manometer 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 "no quibble" 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



```
LOG 01
TIME 15:55 12/05/21
*****
Let-by Test
PRS_1 mbar 10.15
PRS_2 mbar 10.10
Let-by Mins 1.00
*****
Tightness Test
PRS_3 mbar 20.17
PRS_4 mbar 20.12
ΔPRS mbar 0.05
STABIL'N Mins 1:00
TIGHTN'S Mins 2:00
Customer *****
Appliance *****
Ref. *****
*****
```

Produce printouts using optional printer KANE-IRP3 Infra-Red Printer



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

Voltage & Continuity Tester with 690 volt AC Proving Unit

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

KANE-VCT KIT Contents:

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



KANE-VCT

Voltage & Continuity Tester

Features

- KANE Voltage & Continuity Tester is the benchmark for voltage indicators offering LED & digital voltage indication of voltages between 12-690V AC/DC
- Designed with critical safety features such as Single Pole Detection & compliant to BS 61243-3:2014 GS38



KANE-PU690V

690v AC Proving Unit

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










We supply combustion probes testing standard & high temperature flue gases

Standard Temp = 600°C/1112°F

High-Temp = 1100°C/2140°F

	ASP3 KIT	<ul style="list-style-type: none"> • Appliance sampling probe kit - grills, gas fires & general purpose • 5mm diameter • 2.2m flexible tube
	CP2	<ul style="list-style-type: none"> • 240mm probe • 6mm diameter • 2m neoprene hose
	CP2S	<ul style="list-style-type: none"> • 100mm probe • 6mm diameter • 1.5m neoprene hose
	CP2T	<ul style="list-style-type: none"> • 285mm PTFE lined probe • 8mm diameter • 3m neoprene hose • For KANE958, 975 & 988
	CP30	<ul style="list-style-type: none"> • 240mm combined flue gas & pressure probe • 6mm diameter • 2m neoprene hose
	CP35	<ul style="list-style-type: none"> • 300mm flexible probe • 8mm diameter • 1m neoprene hose
	CP71	<ul style="list-style-type: none"> • 240mm probe • 6mm diameter • 0.9m neoprene hose
	SGAP	<ul style="list-style-type: none"> • 325mm probe with removable shaft • 5mm diameter • 2.2m flexible tube

	CHSP5	<ul style="list-style-type: none"> • 285mm high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE958, 975 & 988
	CHSLP5	<ul style="list-style-type: none"> • 1m high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE958, 975 & 988
	CHSP6	<ul style="list-style-type: none"> • 285mm high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE9206
	CHSLP6	<ul style="list-style-type: none"> • 1m high temperature smoke probe with removable shaft • 8mm diameter • 4m neoprene hose • For KANE9206
	KMCH	<ul style="list-style-type: none"> • 285mm replaceable shaft with max temp 1250°C/2282°F • 8mm diameter
	KMCHL	<ul style="list-style-type: none"> • 1m replaceable shaft with max temp 1250°C/2282°F • 8mm diameter
	KMHP1200	<ul style="list-style-type: none"> • 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 NO₂, SO₂ & H₂S 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



Combustion Probe Accessories


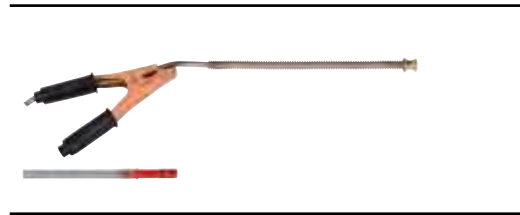
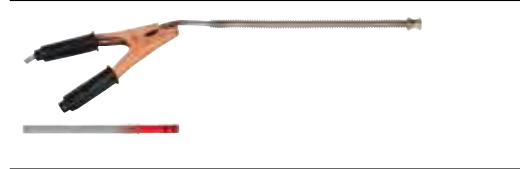

		17320	<ul style="list-style-type: none"> • 6mm diameter depth stop cone
		4290/2	<ul style="list-style-type: none"> • 8mm diameter depth stop cone
		SM50472	<ul style="list-style-type: none"> • 10mm diameter depth stop cone for CP35
		KMCE10	<ul style="list-style-type: none"> • 10m hose & thermocouple extension
		KMHL3000	<ul style="list-style-type: none"> • 3m heated line • Use with KMHP1200, KMDM110/230 & KANE-9206GCU • For Quintox 9206
		CPS1	<ul style="list-style-type: none"> • Combustion probe stand • 2.1m max height

Engine Exhaust Probes

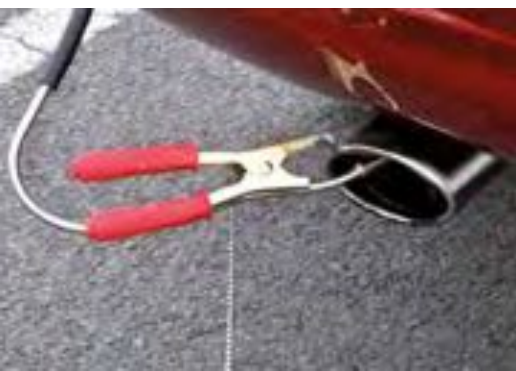


We supply a range of exhaust probes for all applications






Standard Temp = 600°C/1112°F

	EPAUTO1	<ul style="list-style-type: none"> • Standard reinforced rubber probe • 4m PVC clear plastic tubing • Insertion depth 350mm
	EPAUTO2	<ul style="list-style-type: none"> • High temp stainless steel probe • 4m PVC clear plastic tubing • Insertion depth 350mm • Ideal for dyno testing
	EPAUTO3	<ul style="list-style-type: none"> • As EPAUTO2 • Includes in-line 70 µ filter (17702)
	EPAUTO4	<ul style="list-style-type: none"> • As EPAUTO1 • Includes in-line water trap SM10597




	EPAUTO5	<ul style="list-style-type: none"> • High temp stainless steel probe • 6m neoprene tubing • Insertion depth 300mm • Includes in-line 70 µ filter (17702) • Ideal for 'on road' & dyno testing
	EPAUTO6	<ul style="list-style-type: none"> • Stainless steel motorcycle probe • 1.5m tubing • Insertion depth 230mm • Includes thermocouple to measure exhaust temp
	EPAUTO7	<ul style="list-style-type: none"> • As EPAUTO2 • 4m neoprene tubing for higher temperatures • Insertion depth 350mm
	EPAUTO8	<ul style="list-style-type: none"> • As EPAUTO6 • Without thermocouple
	EPAUTO9	<ul style="list-style-type: none"> • As EPAUTO5 • Without in-line filter
	EPDEA1	<ul style="list-style-type: none"> • Diesel Smokemeter Exhaust Probe 1m • For KANE-AUTO600
	SM50126	<ul style="list-style-type: none"> • Diesel Smokemeter Exhaust Probe 5m • 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

Sensors








	OS11 2 yr O2 sensor for KANE9100, /01, /04, /06 & 9206
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Carry Cases


	17820 Small carry bag
	14102/2 Large carry bag
	18704 Hard carry case for KANE101, 250, 251, 255, 425, 450, 451plus, 452NO, 455, 456,457 & 458
	SM12516 Hard carry case for KANE-EGA4 & 5
	20106 Backpack

	MSC00237 Hard carry case for small instruments
	TO1233 Soft carry pouch ideal for KANE700

Filters



	AF2 Complete particle filter for KM9100, 9101, 9103, 9106 & 9206
	AF9/5 (pack of five) Particle filters for KM9104 & KMCP40 flue probe
	KANE-STOP (pack of five) Water stop filters for KANE975 & 988
	PF2/10 (pack of ten) 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
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	DP5 (pack of five) Printer ribbons for KANE9104, 9106 & 9206
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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

	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
	SM11629 Replacement in-line water trap for KANE900series, OIML, MID & KANE-EGA4&5
	SM10597 Optional in-line water trap for exhaust probes as fitted on EPAUTO4

Extender Stick

	20128 Extender stick for KANE-DTHA2
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USB Lead

	CL5 USB Lead for KANE-EGA4&5 & KANE9206
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KANE ASSET MANAGER (KAM)



The fastest way to manage your analyser's recertification with **FREE** postage using www.kane.co.uk



Register your KANE FGA for these benefits:

- ★ Book service & recertification on www.kane.co.uk
- ★ E-mail reminder when due for recertification
- ★ **FREE POSTAGE**, DPD drop-off or Royal Mail collection
- ★ **SAME DAY** annual FGA recertification **OR YOUR MONEY BACK***
- ★ Get updates & special offers

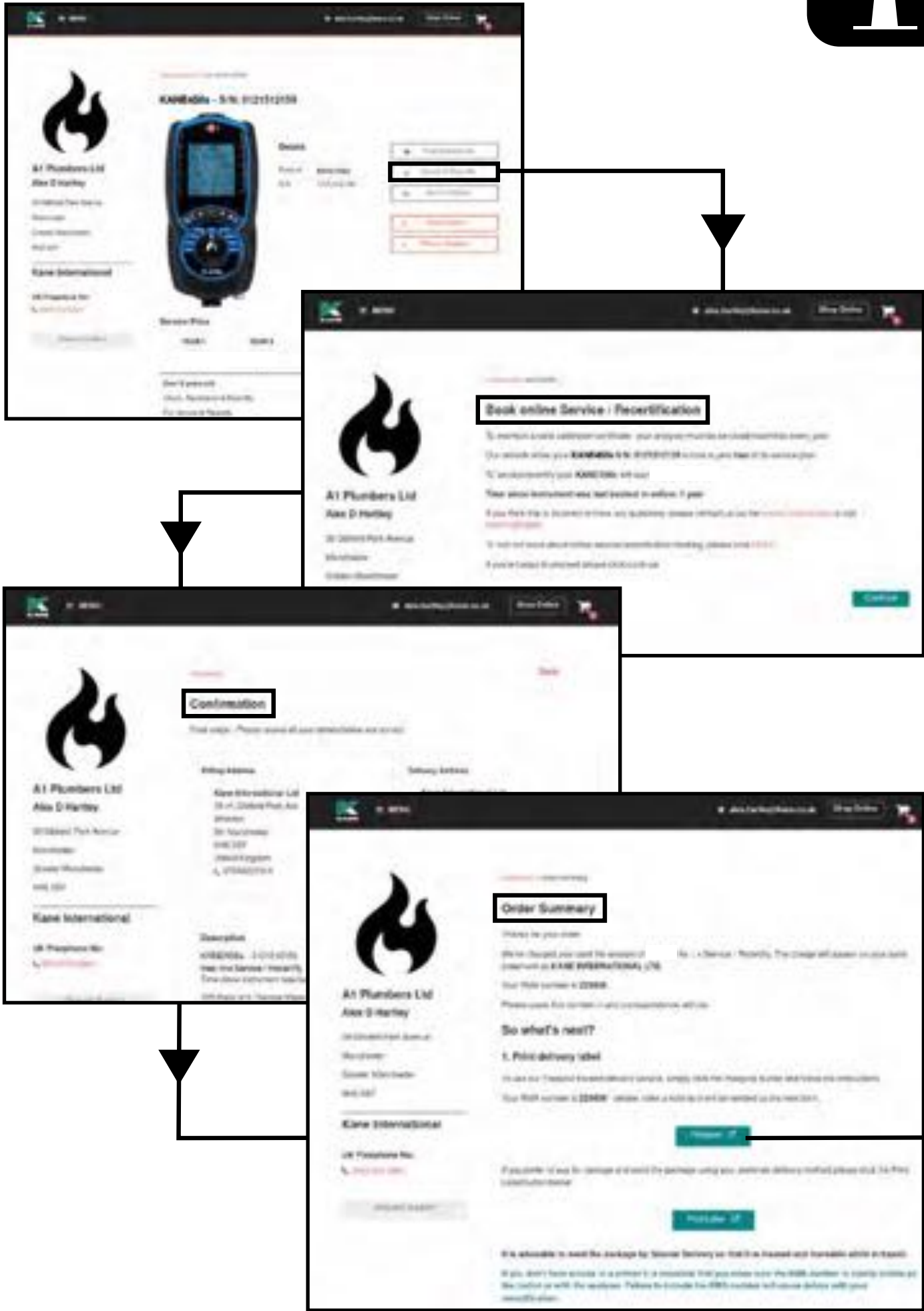
Use all 11 digits where applicable



Use your KAM dashboard to:

- View - your Payment History / Company Details / Analyser Details / Service Pricing
- Buy KANE products, accessories, spares & consumables with FREE delivery
- Manage your KANE analyser's recertification online to receive same day turnaround
- Service History: Access, view & email electronic Calibration Certificates when required for compliance
- Report Stolen: Reporting your analyser stolen ensures our Stolen Analyser Register is up-dated & stops your fellow engineer unknowingly buying stolen goods
- Remove your KANE Analyser once sold so its new owner can also benefit







KANE CARE Service & Recertification

KANE CARE is our promise to never let you down or your money back - here's what it means:



- ★ **10 Year warranty with annual recertification**
- ★ **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**
- ★ **Includes probes & chargers**

KANE CARE applies to any KANE FGA or EGA Service & Recertification booked online using your KAM dashboard - more info at:

www.kane.co.uk/service-and-re-certification

Service

Calibration or Conformity Certificates are included in all prices as appropriate

Product	Years 1 - 4	Year 5	UKAS Cert
KANE77 & KANE79			
KANE958 CO & CO2*			
KANE975 & 988 CO & O2*			
KANE9206 CO & O2*			

For service pricing please call
+44 1707 375550

EXHAUST GAS ANALYSERS & SMOKEMETER

KANE-EGA 1, 2 & 3*	N/A
KANE-EGA 4*	N/A
KANE-EGA 5	N/A
KANE-AUTO600	N/A

PRESSURE METERS

KANE3200 & KANE3500 Series

LEAK DETECTORS - SERVICE REPAIR

KANE700 & RD99

These prices apply to our current KANE products. Use **www.kane.co.uk** to manage service & recertification, upgrades & spare parts with free delivery in mainland UK.
Our 10 year warranty applies to any KANE analyser & pressure meter returned annually for recertification by KANE

Why choose UKAS calibration certificates?

Your KANE analyser & pressure meter automatically receives our calibration certificate traceable to National Standards. Our optional UKAS calibration certificate gives unrivalled verification suitable for legal submission with worldwide recognition.
UKAS is the UK's only authority accrediting calibration laboratories, including ours - See www.ukas.com/about/the-benefits to learn more.



*Additional annual charge for each extra sensor

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



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



#teamkane



'How to' Videos



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



KANE



CARE

10

YEAR

WARRANTY

RECERTIFY



**SAME DAY
DESPATCH**



**FREEPOST
SERVICE**



WE'VE GOT YOUR BACK

Customer Service **0800 059 0800**

Email: sales@kane.co.uk

Outside UK Call +44 1707 375550

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