

Essential instruments

Domestic & light commercial July 2022 Unpriced













Welcome to our latest essential instruments for domestic & light commercial applications

Any questions please call **0800 059 0800** or visit **www.kane.co.uk** for our other catalogues

Working with Industry, Associations & CO Safety Awareness















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Global Quality, Environment, Health & Safety

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 - Call **0800 059 0800** for more information









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



KANE CD LINK. Our wireless measurement & future proof promise Use your KANE LINK Analyser to safely measure:

- Boiler & Heat Pump flow & return temperatures
- Commercial premises IAQ, airflow & humidity
- Room CO tests up to 4 simultaneously
- 100% H2 appliances when required
- HVO appliances when required



Boiler service

Flow & return





Room CO

Heat pumps

Domestic analysers



Boiler Commissioning & TB143 tests

Safety, Efficiency & Emissions

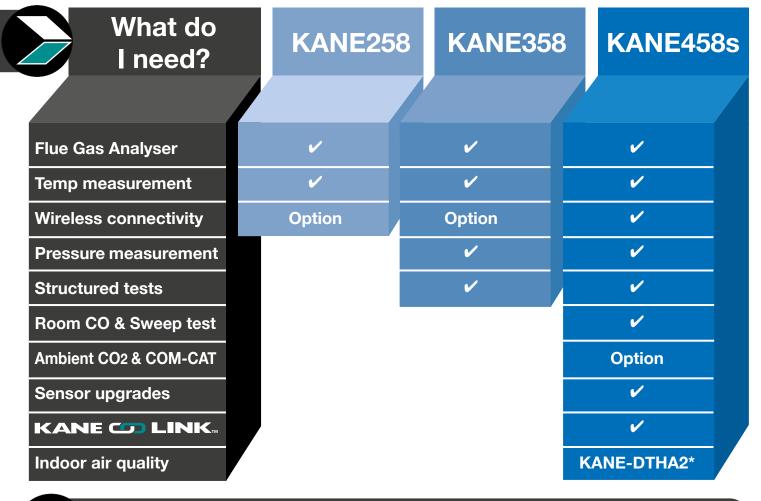
see pages 7-14

Which analyser is right for me?



CO sensor over-range protection, CP2 combustion probe & USB1 charger, 1 psi pressure sensor & pressure hose (not KANE258)

Options	FGA, CP2 Probe & USB1 Charger	KANE-IRP3 Printer	17820 Soft case	14102/2 Large soft case	20106 Backpack	GLD Gas Leak Detector	KAL1 & KPCP2 (x2) Temp Probes	HARHOSE Pressure tubing	ASP3 Oven, grill & fire probes	KANEMSP & SP9 Smoke Pump & Papers
ANALYSER	 ✓ 									
КІТ	~	~	~							
PRO KIT	~	~		~		v	~	~		
CPA1 KIT	~	~		~		v	~	~	~	
OIL KIT	~	~			v					 ✓
COM-CAT KIT	~	~		~						
CMDDA1 KIT	~	 ✓ 		~						
For full details, pricing & kit options see pages 10-12										



Which kit is right for me?





KANE258

For all kit contents see page 7





WLEM-Q

Optional wireless module



Independently tested by TUV SUD to EN50379 Use for BS7967

KANE258

KANE258 Flue Gas Analyser with direct O2, CO & over-range protection

- Entry level FGA for domestic gas, oil & biomass appliances
- Easy to use rotary dial
- Purge pump prevents accidental CO sensor damage
- Hydrogen (H₂) ready up to 20% blend
- Suitable for CCN1 or CCLP1 (including CPA1) & CENWAT

Applications

- Test domestic appliances ٠
- Combustion performance tests ٠
- Combustion efficiency tests •

Measures

- O2 0-21% .
- CO 0-2,000ppm
- Differential temperature

Calculates

- CO2 0-20%
- Excess air

Fuel Types

- Natural Gas •
- Butane
- Rotary dial & 6 line display ٠
- Wireless option
 - Connect to KANE LIVE & 3rd party Apps

• LPG

Light oil

- Data hold, log & print with user details to optional printer - Produce test reports: Combustion & temperature
- USB Charger



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

KANE5SP

KANE CARE 5 Year Service Plan

See page 23 for more details



Propane

Combustion efficiency

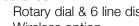
Wood pellets

CO / CO2 ratio

9

CP2

Features





KANE358

• For all kit contents see page 7





KANE358

KANE358 Flue Gas Analyser with direct O₂, CO & over-range protection

- Tests domestic appliances as KANE258 plus:
- Structured Benchmark boiler commissioning test
- Structured let by & tightness tests
- High accuracy differential pressure meter +/- 80mbar
- Flue Draught
- Also suitable for CMA1 & MET1



TB143 test



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

KANE258 / KANE358 kit options with analyser & probe





KANE458s

• For all kit contents see page 4





Independently tested by TUV SUD to EN50379 Use for BS7967 & TB143 Meets EN50543

CP2



KANE458s Flue Gas & IAQ Analyser

- As KANE358 plus:
- Test any appliance up to 120KW with option to measure NOx
- Water trap with integrated Water Stop hydrophobic filter prevents water damage
- Test indoor air quality (IAQ) with option to measure ambient CO2 to 9999ppm
- Sweep test domestic appliances for CO & CO2 leaks
- Perform room safety tests for CO & CO2 with optional ambient CO2 sensor
- Fast track CMDDA1 test up to 4 rooms simultaneously with optional wireless LINK KANE79 CO devices
- Test domestic & commercial flueless gas appliances, space & water heaters with optional ambient CO2 sensor
- Test commercial kitchen appliances for CP42 gas safety certificates
- Use for CIS23 & BS8494
- Meets EN50379 & EN50543 for O2, CO & CO2 with optional ambient CO2 sensor
- Measure differential flow & return temperatures
 wirelessly with optional WPCP2 clamp probes
- Measure differential pressure with structured let by & tightness test
- Also suitable for CMDDA1 or IGEM/GL/8 investigation, CCCN1 & COMCAT, COCN1 & CIGA1 or CGDA1, CORT1, CGFE1, CCP1 or I-GAS when fitted with ambient CO2 & NOx as required

KANE458s kit options with analyser & probe



Our wireless measurement & future proof promise

Use your KANE458s & optional wireless LINK devices to safely measure:

- Boiler & Heat Pump flow & return temperatures
- Commercial premises IAQ, airflow & humidity
- Room CO tests up to 4 simultaneously
- 100% H2 appliances when required
- HVO appliances when required

Measures

- CO2 0-20%
- CO2 0-9999ppm (option)
- CO 0-2000ppm or 10000ppm H2 compensation (option)
- NO 0-600ppm (option)
- O2 0-21% when fitted
- Differential temperature -20 +1350°C with suitable probes
- Differential pressure -80 +80mBar

KANE CARE 5 Year Service Plan

See page 23 for more details

- Air flow 1.1 20m/s with optional KANE-DTHA2
- Temperature -20 +50°C with optional KANE-DTHA2
- RH 0.1 99% with optional LINK KANE-DTHA2
- Room CO 0-999ppm with optional KANE79 CO monitor

Calculates

- O2 / CO2
- CO / CO2 ratio
- Excess air
- Combustion efficiency
- NOx (option)
- Fuel Types

KANE5SP

- Natural Gas
- Butane
- LPGLight oil
- Wood pellets

5 Year FGA Service Plan

XXXXXXX

Propane

Features

- Structured tests as KANE358 plus:
- Room migration timed test for CO & CO₂ with optional ambient CO₂ sensor
- Appliance timed sweep test for CO & CO2 with optional ambient CO2 sensor
- Tests Type C sealed appliances, Type B boiler open flue & Type A cooker, space & water heaters
- Data hold, log & print reports with user details to optional KANE-IRP3 printer
- Wireless transfer to KANE LIVE or 3rd party apps
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE We promise to never let you down or your money back



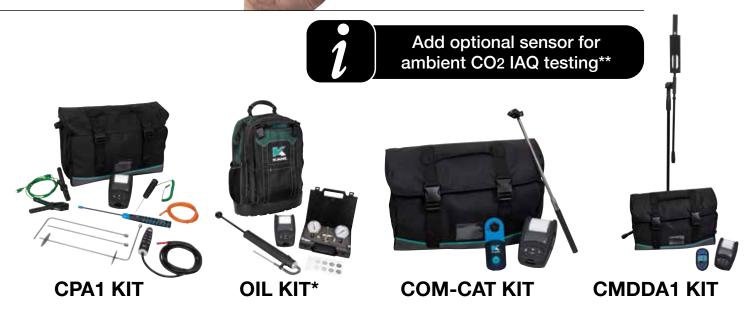
KANE458s sensor options:

O2 sensor 0-21%	
CO sensor 0-10,000ppm H ₂ compensated - replaces standard CO sensor	
NO sensor 0-600ppm	
Ambient CO2 sensor 0-9999ppm	

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 13-14













Wireless measurement & future proof

KANE-WPCP2



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

Wireless Pipe Clamp Temperature Probe x1



KANE-DTHA2

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 LINK™ enabled devices



KANE79



Wireless Ambient Carbon Monoxide (CO) Monitor

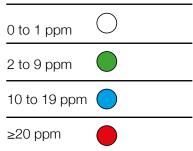
Features

- 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





Alarm LED Indicator Levels



KANE79 is for ambient testing only

DO NOT place in flue gas or warm air streams

Compatible with Apple & Android Devices

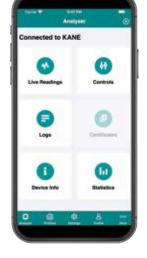


KANE LIVE FREE FROM THE APP & PLAY STORE

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



CAusiyaan Live Re	radings	8 (
© Stop	Readings	
co		43ppm
co,		0.0%
0,		3.45
NO		Illpon
NO,		2500
73		81.85
72	867	hobe Pitted
Pressure Stilledar	ъ	22.810
CD/CO, Ratio 1.2005	Efference	y 1685

benchmark

Also working in Partnership with:

Gas Checker

www.gaschecker.co.uk

GES - Gas Engineer Software

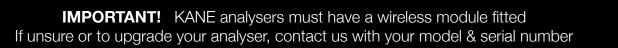
www.gasengineersoftware.co.uk

HHiC - Benchmark App

www.benchmark.org.uk

Master Gas

www.mastergas.co.uk



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)

KANE78 is a personal CC	alarm - Once	Audible alarm ≥ 75db
Activity LED	- ` iD Safe	e™ is active
Battery LED 🔵 📫	-;;;	ce iD Safe™
Alarm LED 🔶 📫	- ` Alarm	trigger point CO >20ppm

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

Indoor Air Quality

KANE-CO2

Indoor Air Quality (IAQ) Carbon Dioxide Monitor

Application

Monitors CO₂ concentration, relative humidity & temperature

Measures

- Ambient CO2 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 CO2 NDIR sensor with long lifespan
- Audible & visible alarm
- Chart with variable time zoom levels
- CO2 / RH / Temperature monitor tracer
- Auto-calibration on power on & manual calibration
- Max / min value display in real time
- Supplied with USB cable & manual

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

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, mmH2O, inH2O & 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



K	ANE3500	
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	

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

•					
	LOG TIME 15:	55 12	/05		
	Let-by Te	st			
	PRS_1 mba PRS_2 mba Let-by Mi	r r ns	10.	19	
	Tightness	Test	•••	•••	
	PRS_3 mba PRS_4 mba APRS mba STABIL'N TIGHTN'S	r r Mins	20.	12 05	
	Customer				
	Appliance	•••••	•••	•••	
	Ref.	•••••	•••	•••	
					I 1

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

Features

Tip light

PN: MSC00239

Supplied with carry case

•

•

AcetoneGasoline/PetrolAlcoholHydrogenAmmoniaIndustrial SolventsBenzeneJet FuelButaneLacquerEthyleneMethane

Flexible goose neck probe

Solid state semi conductor sensor

Detection levels <50ppm methane Indicators - audible tic rate & visual multi-coloured LEDs

rol Naphtha Natural Gas Ivents Propane Thinners Toluene





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



GLD

Thermal Imaging

KANE-TCAM

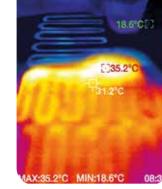
Thermal Imaging Camera

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 Shiny surface
- Semi-shiny surface • Ideal problem solver for:
 - Plumbing & Heating
 - Radiators, underfloor heating, energy auditing or water damage 31.2°C
 - Automotive
 - Heated seats & windows, high resistance in wiring, overheating wiring or components

DIG MALACC



Underfloor heating

Supplied with USB charger & hard carry case MSC00237

32.1°C e=0.95 💶 14.8°C

AX:39.2°C MIN:14.8°C

Blocked radiators

10:4



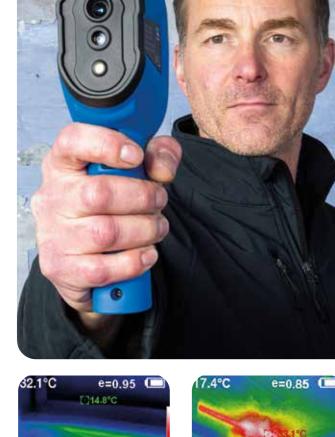
Invisible leaks





Display Screen 2.8 inch full view TFT display Current emissivity Central point 24.7°C e=0.90 Battery power temperature Colour code Highest temperature Temperature at central point Lowest temperature Max / min value of field temperature • MAX:36.3°C 15:1 Time





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 ٠
- Time stamped multifunction record
- Relative function displays temperature change
- Data hold •
- Protective rubber boot •
- Dual input, triple display, differential temperature (ΔT)

KANE-INF165C

Infra-Red Thermometer







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

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

KAL1

Air / liquid & chisel probe

-50 to +500°C



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

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 +150°C





Electrical Test

For full specifications visit www.kane.co.uk



1989' for more information



using on live circuits

- - Audible alert

Low battery warning









KANE CARE UK & Ireland Service & Recertification

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- ★ 10 Year warranty with annual Service & Recertification
- ★ Same Day Service & Recertification guaranteed
- \star 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

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



KANE CARE 5 Year Service Plan

Purchase our 5 Year Service Plan with your KANE258, 358 or 458s standard configuration, covering years 1-4 service & recertification, saving money & giving 5 years of cover, with all the benefits of KANE CARE, plus:

- ★ All inclusive no quibble repairs
- ★ Theft protection cover if stolen we'll replace your KANE analyser for free, an industry first
- ★ 10% Saving on your KANE258, 358, 458s service cost
- ★ Peace of mind no unexpected additional charges
- ★ Only available from KANE authorised distributors
- ★ Secure activation via KAM dashboard

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





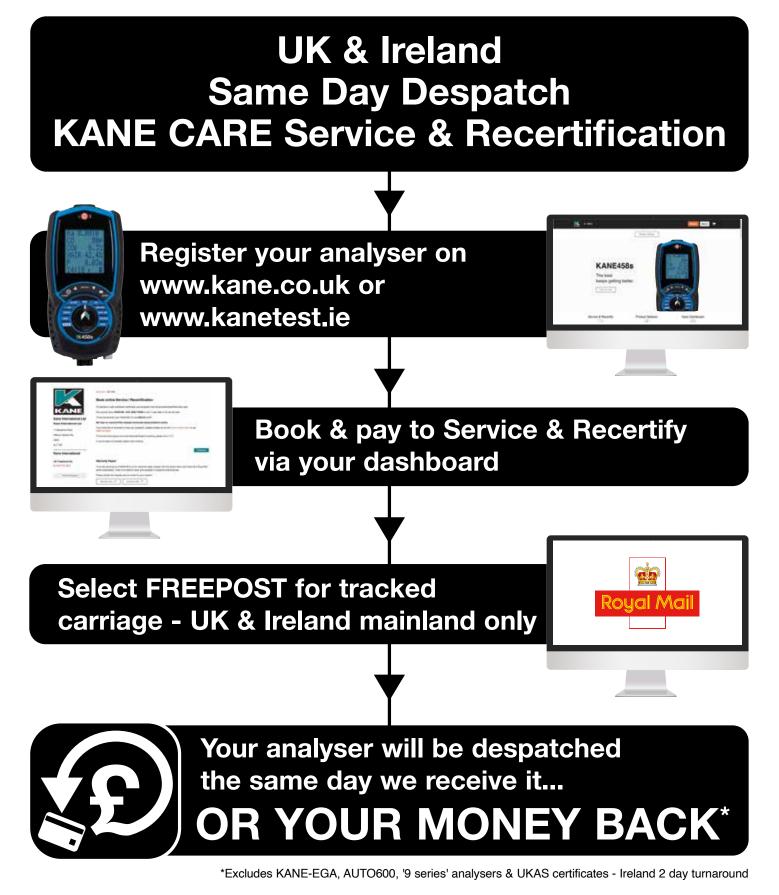
T&Cs apply











Combustion Probes

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

Please see www.kane.co.uk for high temperature flue gas probes up to 1250°C / 2282°F

CP30

	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
\mathbf{X}	CPS1	Combustion probe stand2.1m max height

Accessories & Consumables

KANE-IRP3

Please see www.kane.co.uk for more options



MSC00238 Hard carry case for KANE3500



MSC00239 Hard carry case for KANE-EGD & RGD

	Filters					
KANE-MSP KANE Smoke Test Kit		PF400/5 (pack of five) Filters for KANECO91, 100,				
18121 Oil gauge kit	6000	101, 250, 251, 255, 258, 358, 425, 450, 451plus, 452NO, 455, 456, 457, 458, 458s, 504, 958,				
SP9 Smoke papers & chart (for use with smoke probe options)		EGA1, 2 & 3 WSF1/5 (pack of five) Water Stop Filter for KANE458s & KANE958				
PRD2 Pressure Relief Device	Paper & Ribbons					
l l Power Leads		TP5 (pack of five) Thermal printer rolls				
USB1 USB charger for	_	for Infra-Red Printer KANE-IRP, KANE- IRP2 & KANE-IRP3				
KANE258, 358, 458s, 958,	Probe Connectors					
KANE-EGA1,2, & 3 B15 4x 2000 mAh rechargeable batteries. Note: battery make may differ		SM11103 Replacement probe connector for KANE100, 101, 250, 251, 255, 451plus, 452NO, 455, 456, 457 & 458				
		SM14980 Replacement				
17820 Small carry bag		probe connector for KANE258, 358, 458s, 958, 975/988, EGA1, 2 & 3				
	Water Traps	· · · · · · · · · · · · · · · · · · ·				
14102/2 Large carry bag	_	SM50515 Replacement water trap for KANE258, 358, 458s, 958 & EGA1, 2 & 3				
20106	Extender Stick					
Backpack		20128				
MSC00237 Hard carry case for KANE-TCAM		Extender stick for KANE-DTHA2				



Batteries Chargers & Power Leads

	USB1 USB charger for KANE258, 358, 458s, 958, KANE-EGA1,2, & 3	
Parascelle 2	B15 4x 2000 mAh rechargeable batteries. Note: battery make may differ	

Carry Cases

,		
	17820 Small carry bag	
	14102/2 Large carry bag	
	20106 Backpack	
	MSC00237 Hard carry case for KANE-TCAM	



WE'VE GOT YOUR BACK

For more information contact **0800 059 0800** Customer Service

Email: sales@kane.co.uk

Distributed by:

Outside UK Call +44 1707 375550

www.kane.co.uk



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