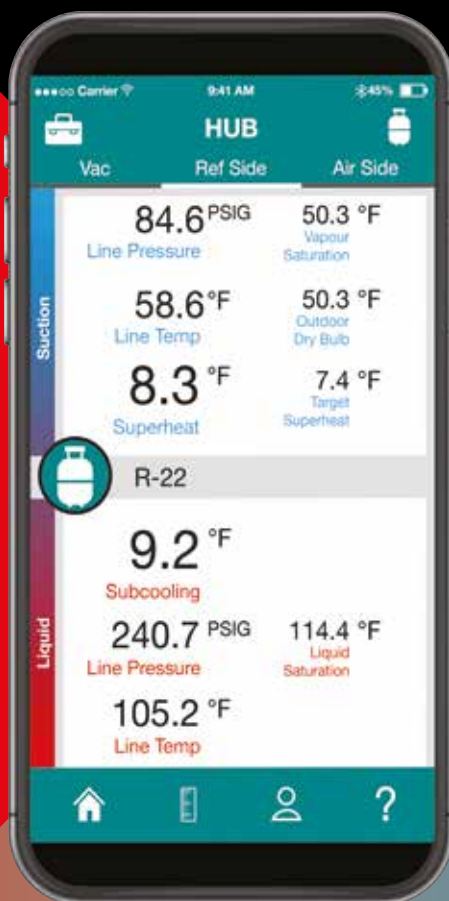




Essential instruments

Engine & A/C Analysers
August 2024



The Smart Way to test Exhaust
Emissions & Air Conditioning





Welcome to our catalogue

KANE - 60 years Essential Instruments & Outstanding Service

- ★ KANE-EGA 1-3 - The simplest way to test exhaust gas emissions
- ★ KANE-EGA4 & 5 - 1 Analyser, 2 applications - Emissions & A/C
- ★ KANE-NEC1 - Particle counting to official standards
- ★ KANE-EVBPT KIT - Test EV battery compartment pressure leaks
- ★ KANE CARE - Outstanding Service or Your Money Back

Call **0800 059 0800** or **+44 1707 375550**, email **sales@kane.co.uk**, visit **www.kane.co.uk** or follow **@kaneanalysers** on social media



Working with leading brands



BOSCH



Trade Associations & CO Safety Awareness





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Global Quality, Environment, Health & Safety



UK
CA

CE



Essential Instruments



KANE-EGA1-3

- 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
- Combine emissions & ambient air quality with KANE LINK
- Compact & quick to use with large display

KANE-EGA4 & 5

- As KANE-EGA1-3 plus:
- Colour graphic display & large memory
- Unique NDIR sensors test O2, CO2, HC & CO to 10,000ppm & 10% plus NOx option to 5000ppm
- Test engine exhausts & catalytic converters in real world conditions
- Measure AFR & lambda to improve efficiency & fuel consumption
- Test vehicle A/C for superheat & subcool



KANE-AUTO600

- Portable Battery Powered Diesel Smokemeter
- Designed to meet official test standards
- Test vehicle exhaust density with unique light source
- Real time density on wireless handset



Outstanding Service

KANE-NEC1

- Particle counter for diesel exhaust emissions testing
- European approvals
METAS (Swiss)
PTB (German - pending)
NMI (Netherlands - pending)
- Short warm up & fast response
- Intuitive operation via touchscreen



KANE-DPFTEST

- Diesel particulate filter efficiency tester
- Easily test DPF efficiency at idle
- Measure particulates masses passed through DPF
- Test vehicles in under 60 seconds
- See results in Traffic Light display & store all tests
- Single user operation
- PM measurement uses light scattering principle
- Particulate size from 0.30µm to >10µm

KANE-EVBPT


- EV battery integrity pressure test kit
- Applications - Hyundai Kona EV, Jaguar I-Pace, Kia Niro EV, Nissan Leaf
- Pressures vary from manufacturer, typically 20 - 50 Millibar (0.8psi max)
- Check battery component seals in a safe & controlled manner
- Follows vehicle manufacturer procedure

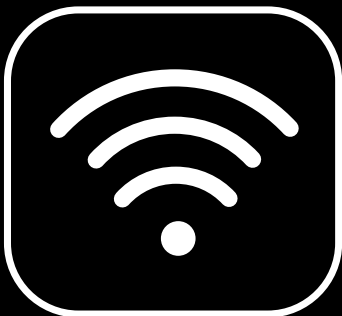
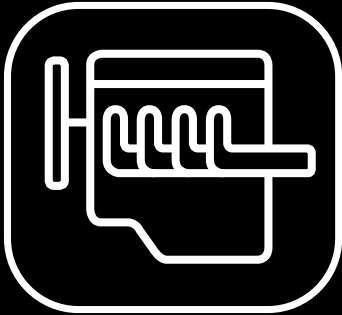


Follow us on...

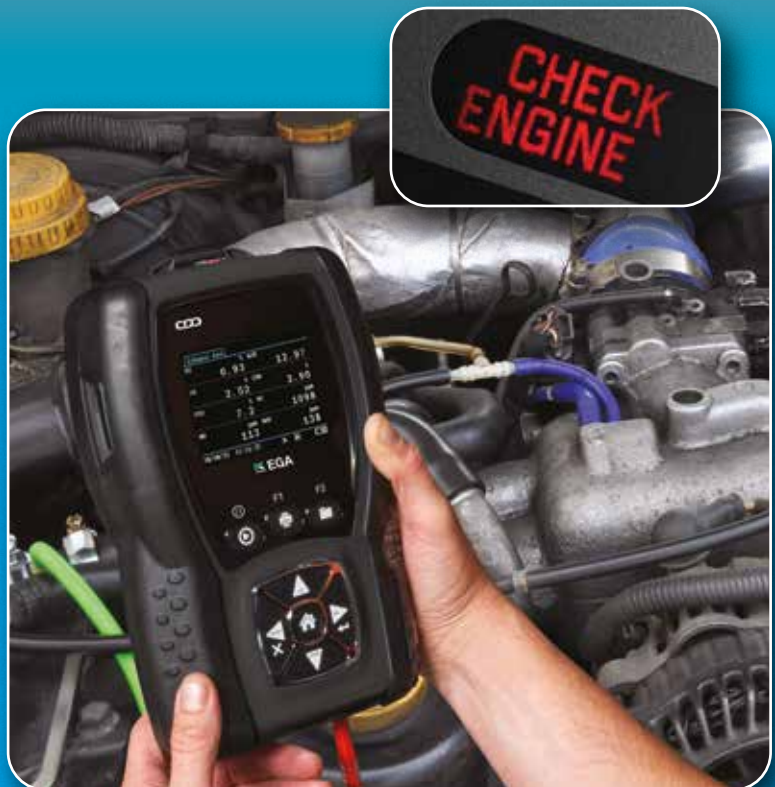




KANE

AUTO

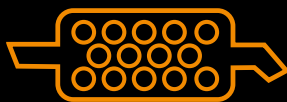


Engine





Exhaust Testing



Particulate Filter - System Fault
See Owner Manual!



Which Analyser?



KANE-EGA1
£679



KANE-EGA2
£994



KANE-EGA3
£1309



KANE-EGA4
£2399



KANE-EGA5
£2744

Analysers supplied with:

KANE LINK™ wireless module, EP1 probe, charger & carry bag



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



What do I need?	KANE-EGA1	KANE-EGA2	KANE-EGA3	KANE-EGA4	KANE-EGA5
Exhaust Gas Analyser	✓	✓	✓	✓	✓
KANE LINK™ wireless connectivity	✓	✓	✓	✓	✓
CO 0-10,000ppm	Select	Select	Select	✓	✓
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	✓
Spot check emissions	✓	✓	✓	✓	✓
Engine diagnostics				✓	✓
NDIR - CO, CO ₂ & HC				✓	✓
HC 0-5000ppm				✓	✓
CO to 10,000ppm & 10%				✓	✓
AFR / LAMBDA				✓	✓
A/C & refrigeration				Option	Option

*One CO sensor option only



What do I get?

KANE-EGA1, 2 & 3



Optional extra:

KANE-IRP3 Infra Red Printer

£225

KANE-EGA4 & 5



For full details see pages 9-14



KANE-EGA1/2/3

Spot check engine safety & efficiency

What do I get?



Handheld exhaust analyser for up to 3 gases with **KANE LINK™** Your EGA - Your way

What exhaust gases?



Select up to 3 exhaust gases:

CO 0-10,000ppm* or 0-10% / 100,000ppm*

CO2 0-20%

O2 0-21%

NO 0-600ppm

Which EGA would I like?



Supplied with:

- **KANE LINK™** wireless module, EP1 emissions probe, 3 rechargeable batteries, USB1 charger, MSC00237 protective case & 14102/2 carry bag



1 Gas



KANE-EGA1
£679

2 Gas



KANE-EGA2
£994

3 Gas



KANE-EGA3
£1309

Battery Powered Exhaust Gas Analyser

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

Applications

- Test performance & safety of any fossil fuelled engine
- Test vehicles, fork lift trucks, ice rink machines, in cab heaters, motorbikes, scooters & generators

Measures - depending on sensors fitted

- CO 0-10,000ppm
- CO 0-10%
- CO₂ 0-20%
- O₂ 0-21%
- NO 0-600ppm

Calculates - if NO sensor fitted

- NOx 0-600ppm

Features

- Rotary dial & 6 line display for ease of use
- Connect to KANE LIVE & 3rd party Apps
- Add optional **KANE LINK™** devices
- Store up to 45 tests
- Compact & rugged with protective rubber sleeve & magnets for hands free operation
- Integrated water trap with replaceable particle filter
- USB Charger with rechargeable, long life batteries
- 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



Diesel Generator NOx test



In cab heater CO₂ test with EP5 probe

Exhaust probe & accessory options

EP2	300mm probe with 6M tubing & in-line particle filter	£185
EP3	230mm motorbike probe with 1.5M tubing	£210
EP4	As EP3 & measures exhaust temperature	£320
EP5	In cab heater probe	£125
KANE-IRP3	Infra Red Printer	£225

KANE LINK™ options

KANE79	Wireless LINK CO monitor to 999ppm	£279
KANE-DTHA2	Wireless LINK airflow, temp & RH	£249
KANE-WPCP2	Wireless LINK temp clamp probes - connect as a pair	£209

See KANE LINK devices on pages 19 & 22



All prices exclude VAT



KANE-EGA4/5



Diagnose engines with unique NDIR technology & test vehicle A/C

What do I get?

Handheld exhaust analyser for 4 or 5 gases with **KANE LINK™** Your EGA - Your way

What exhaust gases?

KANE-EGA4	KANE-EGA5
CO 0-10,000ppm & 10%	CO 0-10,000ppm & 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 0-5,000ppm

Which EGA would I like?

Supplied with:

- **KANE LINK™** wireless module, EP1 emissions probe, CL5 USB Lead, 6 rechargeable batteries, CU12VDC2A21 charger, CA10733/4 in vehicle charger & 14102/2 carry bag



4 Gas



KANE-EGA4
£2399

5 Gas



KANE-EGA5
£2744



Battery Powered Exhaust Gas Analyser with Graphic Display

- As KANE-EGA1/2/3 plus:
- Diagnose engine / exhaust / catalytic converter faults quickly
- Unique Non-Dispersive Infrared (NDIR) sensors designed to meet official test standards
- Identify fuel flow, misfire & EVAP problems
- Pre-compliance & roadside emissions tester - local laws may apply
- Measure Lambda & AFR to improve engine efficiency & fuel consumption
- Test vehicles under real world driving conditions
- Take EGA to vehicle, not vehicle to analyser
- Test vehicle A/C & refrigeration systems*

Applications

- Real time vehicle / engine testing in workshop & on road
- Instant engine, exhaust system & catalytic converter tests
- Vehicle smog checks, tune ups & diagnostics
- Check repair work with before & after test
- Maintain engines to manufacturer specification
- A/C & refrigeration performance & efficiency

Measures

- CO 0-10%
- CO₂ 0-20%
- HC 0-5000ppm
- O₂ 0-21%
- NO 0-5000ppm option
- ACR pressure & temp option

Calculates

- Lambda/AFR 0.8-1.2
- NOx 0-5000ppm optional
- ACR sub cool & super heat

Fuel Types & Refrigerants

- Petrol / Gasoline
- Diesel
- LPG or CNG
- 40+ refrigerants including R134a & R1234yf

Features

- Large graphic display
- Unique NDIR sensors for accurate measurements with fast warm up
- Connect to KANE LIVE & 3rd party Apps
- Add optional **KANE LINK™** devices
- Store over 200 tests
- Rechargeable battery with minimum 4 hour life
- 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

See KANE LINK devices on pages 19 & 22



All prices exclude VAT



Exhaust analysis & engine diagnostics



A/C & refrigeration performance & efficiency



Fork lift truck emissions test

Sensor, exhaust probe & accessory options

NOX 4-2+	NOx upgrade 0-5000ppm for KANE-EGA4	£345
EP2	300mm probe with 6M tubing & in-line particle filter	£185
EP3	230mm motorbike probe with 1.5M tubing	£210
EP4	As EP3 & measures exhaust temperature	£320
EP5	In cab heater probe	£125
KANE-IRP3	Infra Red Printer	£225

*Optional KANE LINK™ ACR probes available

► Test engine, exhaust & catalytic convertor

- Fully portable hand held exhaust gas analyser
- Ideal for diagnostic, pre-compliance & vehicle servicing
- Use on any fuel type including Gasoline/Petrol, LPG, CNG & Diesel vehicles
- Measures CO, CO₂, HC, O₂ & with NO_x to 5000ppm option
- Real time engine exhaust testing in workshop or on road test
- Before & after testing to verify repairs
- Monitor & reduce emissions
 - Reduce fuel consumption
 - Improve driveability
 - Protect the environment



1 Analyser

► Check A/C



HVACR R134a			
LP	bar	HP	bar
	2.3		4.6
EV	°C	CO	°C
	3.2		19.1
MT1	°C	MT2	°C
	20.4		5.5
SUPERHEAT	°C	SUBCOOL	°C
	17.2		13.6
04/01/23 12:07:12			

Pressure	Good	Bad	Possible Causes
High Pressure Side	17 Bar	5 Bar or less	Compressor Failure Refrigerant Low Blocked Expansion Valve System Blockage
Low Pressure Side	2 Bar	4 Bar or higher	
Temperature	Good	Bad	Possible Causes
Condenser Inlet Outlet	60-90 °C 40-60 °C	Above 90°C Above 90°C	Lack of Lubrication Condenser Blockage
Compressor	60-90 °C	Above 90°C	Internal Restricted Flow
Evaporator	0-5 °C	Below 0°C	Contaminated Refrigerant

Gases Measured		Good	Bad
Carbon Monoxide	CO	Approx. 0.5% or less	More = Too much fuel/rich mixture
Hydrocarbons	HC	Approx. 100ppm or less	More = Misfire
Carbon Dioxide	CO ₂	Approx. 14-15%	Less = Reduced engine efficiency
Oxygen	O ₂	Approx. 0.1 – 1%	More = Too much air/lean mixture
Oxides of Nitrogen	NO _x	Approx 100-200ppm	More = Engine too hot/lean
Air Fuel Ratio / Lambda	AFR/ λ	AFR = 14.7:1 λ = 1	High = Too much air (lean) Low = Too much fuel (rich)

Figures shown may vary depending on vehicle & efficiency of CAT



2 Applications

& refrigeration system



- ▶ Uses optional **KANE LINK™** wireless pressure & temperature probes
- ▶ Test any vehicle AC system including EV's
- ▶ Replaces manifolds & hoses
- ▶ Ideal for a/c diagnostics & repairs
- ▶ 40 Refrigerants including R134A, R1234yf & R410A
- ▶ Subcool & Superheat calculations
- ▶ Readings on EGA & KANE LIVE app

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



£3575

Supplied with:

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



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



Diesel engine smoke test



Wireless smoke test



Pollution spot test



KANE-DPFTEST

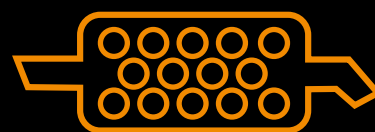
Diesel particulate filter efficiency tester

- Easily test DPF efficiency at idle
- Measure particulates masses passed through DPF
- Test vehicles in under 60 seconds
- See results in Traffic Light display & store all tests
- Single user operation
- PM measurement uses light scattering principle
- Particulate size from 0.30µm to >10µm

£3575

Supplied with:

- Measurement head, stand assembly, charger, charging base & 0.5M sample hose



**Particulate Filter - System Fault
See Owner Manual!**



1 Power on / off	2 Amber flash = warm up	 KANE-DPFTEST
3 Amber on = ready	4 Press to start test	
5 <div style="display: flex; justify-content: space-around;"> <div> Good </div> <div> Marginal </div> <div> Poor </div> </div>		



Easy to see test results - Good, Marginal or Poor

All prices exclude VAT

KANE-NEC1

Particle counter for diesel exhaust emissions testing

- European approvals
METAS (Swiss)
PTB (German - pending)
NMI (Netherlands - pending)
- Short warm up & fast response
- Intuitive operation via touchscreen
- Avoids using toxic operating fluids
- Can be adapted for petrol/gasoline engines
- Limited maintenance required
- Uses advanced charging technology

Applications

- Official Government testing of diesel engine particulates - Euro 6 & newer diesel vehicle emissions

Measures

- Measurement range: 5.000 - 5.000.000 /cm³
- Particle size: 23 - 200nm

Features

- Rugged design
- Easy operation
- Heated hose for accurate measurements
- Short warm-up time (<3min)
- No consumables
- Simple maintenance
- All-around support

£6335



(Cart sold separately)

Exhaust Gas Result		15:57
Start time: 15:57:55	Duration: 00:00:40	
Measurement 1 mean: 76 778 cm ⁻³		✓
Measurement 2 mean: 56 778 cm ⁻³		
Measurement 3 mean: 36 778 cm ⁻³ * Measured value < 50 000 cm ⁻³		
Overall mean: 56 778 cm ⁻³		
Limit: 100 000 cm ⁻³		
✓ Measurement Passed		

Emissions test PASS

All prices exclude VAT

Exhaust Gas Result		16:00
Start time: 16:00:51	Duration: 00:00:40	
Measurement 1 mean: 150 675 cm ⁻³		✓
Measurement 2 mean: 238 701 cm ⁻³		
Measurement 3 mean: 62 583 cm ⁻³		
Overall mean: 150 653 cm ⁻³		
Limit: 100 000 cm ⁻³		
✗ Measurement Failed Second test at higher RPM required		

Emissions test FAIL

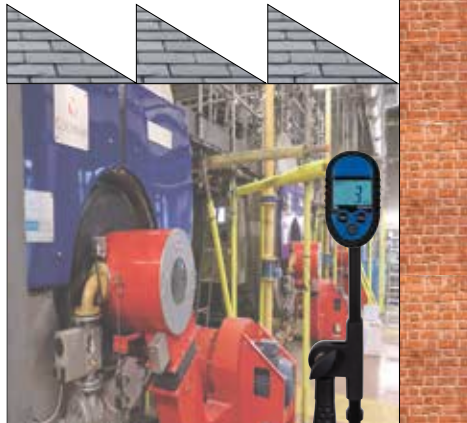
Room CO & Ventilation

Use with or without KANE LINK analysers



£279

CO monitoring
& investigation



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



KANE UKAS option

Add £230



KANE79



3 in 1 CO Monitor & Logger

- Monitor CO in ambient air to 999ppm with 1ppm resolution
- Combine simultaneous ambient & appliance tests with KANE LINK analyser
- Leave behind to log CO every minute for up to 2 weeks
- Test rooms, workplaces & vehicles for CO
- Visual & audible alert
- Optional stand & carry bag p/n: CPS1
- 100M line of sight range

Alarm Levels

0 to 9 ppm



10 to 19 ppm



≥20 ppm



CPS1

£140



WHO AQG limits exposure: <4ppm CO over 24 hours,
<9ppm over 8 hours & <30ppm over 1 hour

KANE-DTHA2



KANE-DTHA2 Wireless Airflow,
Temperature, & Humidity Anemometer

Features

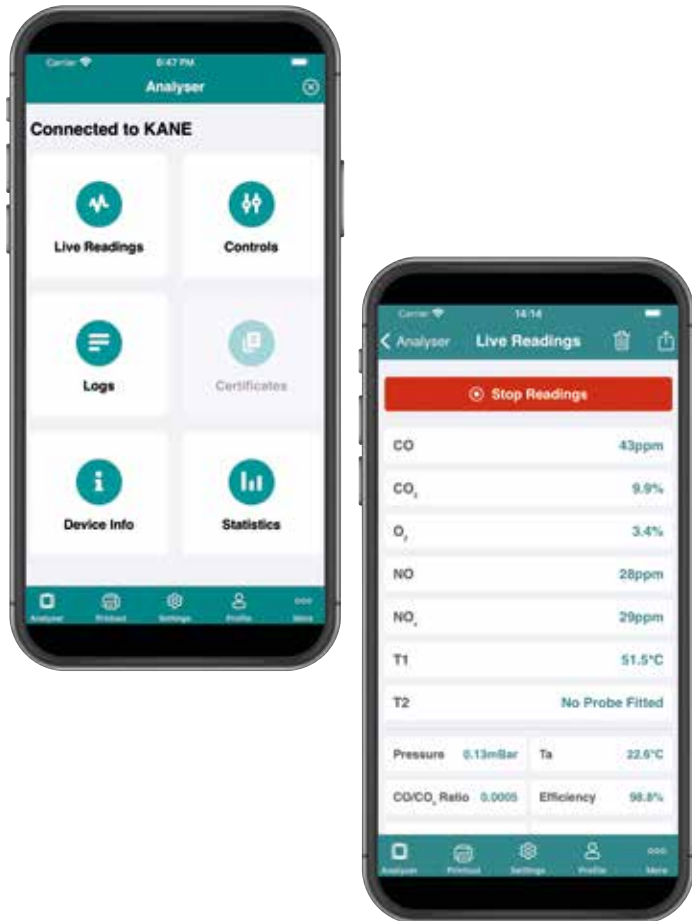
- Wirelessly measure airflow, temperature & humidity
- See real time results on your KANE analyser
- Test A/C units & extraction fans
- Calculate outlet volume flow with dimensions & geometry
- Instant On technology
- Airflow: 1.1 to 20 m/s;
Temp: -20 to +50 C; RH: 0.1 to 99%
- Optional extender probe - p/n: 20128
- Connect to KANE-DTHA2 app or
KANE LINK™ analyser

£249



KANE LIVE APP

See, save & share tests



Connect & control:

Wireless enabled KANE Analysers

KANE79 CO Monitor & Logger

KANE-DPM Differential Pressure Meter

- See, save & share tests
- Start, stop & share KANE79 CO logs
- Perform let by & tightness tests with KANE-DPM
- Download tests to save & share
- Generate PDF reports & certificates*
- Add company & user profiles
- Send test results in CSV for spreadsheets
- GPS tag 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

KANE analysers require wireless module - if unsure, contact us

KANE Analysers approved for use with

Gas Checker

www.gaschecker.co.uk



HHiC - Benchmark App

www.benchmark.org.uk



GES - Gas Engineer Software

www.gasengineersoftware.co.uk



Master Gas

www.mastergas.co.uk



IMPORTANT! KANE analysers must have a wireless module fitted
If unsure or to upgrade your analyser, contact us with your model & serial number

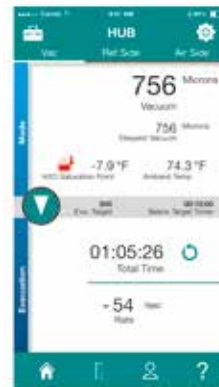
The Smart Way to test A/C & Refrigeration

KANE-HUB APP



Connect & control your KANE HUB probes

- See, save & share tests
- Measure system pressures & temperatures
- Calculate superheat & subcool
- Check duct temperature & humidity
- Test vacuum with dual mode vacuum screen
- Evacuation target display & rise limit test
- Display in microns, Pa, mmHg & mBar
- Display rate of change & water saturation point



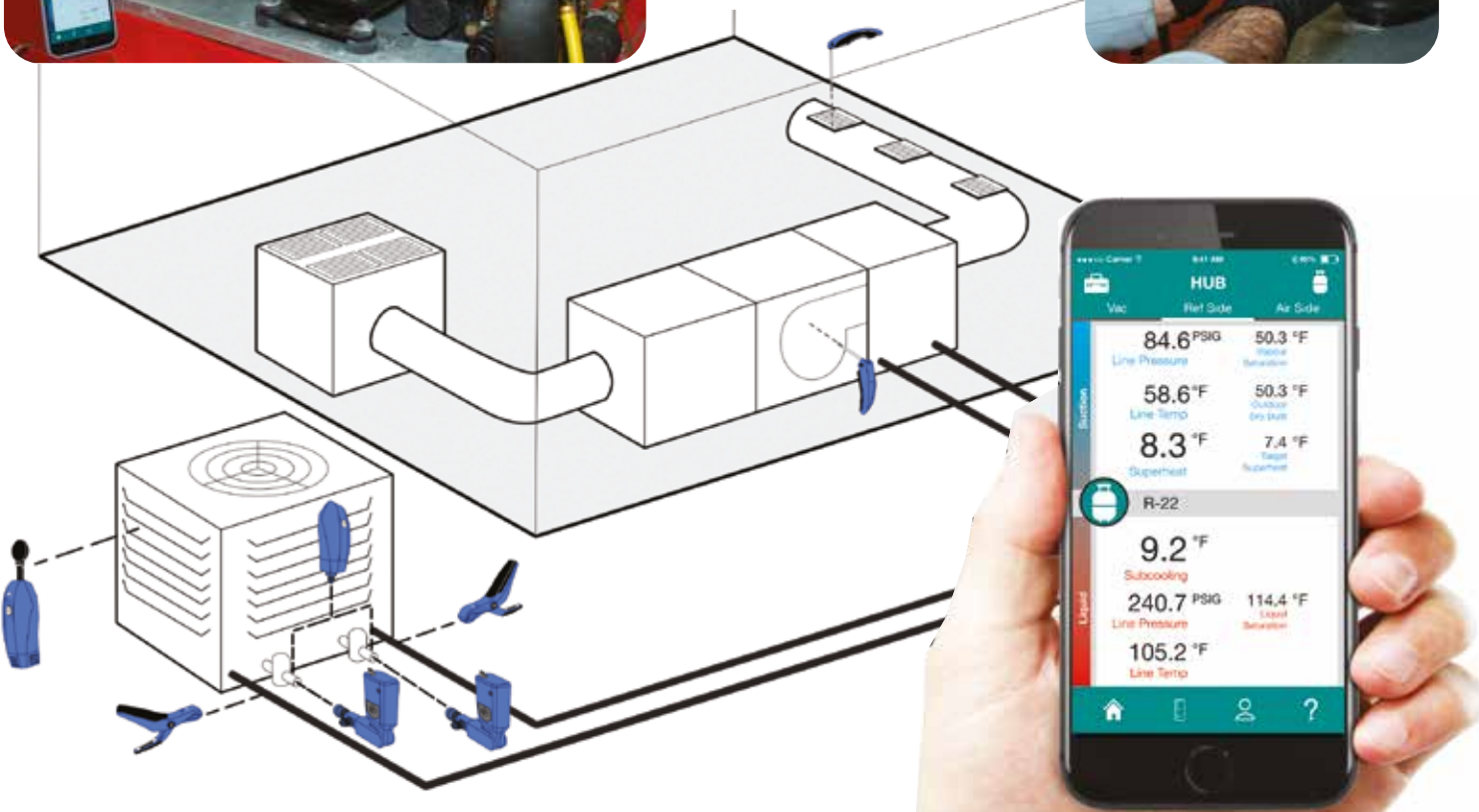
Vacuum Screen



Refrigeration Screen



Air Side Screen



Use with KANE-HUB app or your KANE LINK Analyser

KANE-WPCP2



2 Wireless Pipe Clamp
Temperature Probes

£209

- Wirelessly measure & display system temps including:
 - Flow & return
 - Boiler commissioning test
 - Monobloc Heat Pumps
- Connect to KANE-HUB app or KANE LINK™ analyser
- Work in tight spaces for pipe diameters up to 38mm
- Range: 0 - 80°C
- 100m line of sight range



KANE-WPCP



1 Wireless Pipe Clamp
Temperature Probe

£115

KANE-WPP2



2 Wireless Pressure Probes

- Wireless pass through pressure probes for A/C & refrigeration system pressure tests
- Calculate system superheat & subcool
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100m line of sight range



£269



KANE-WPP



1 Wireless Pressure Probe

£170

KANE-WHP2



2 Wireless Hygrometer Probes

In App temperature split & psychrometric calculations

- Slimmest 6mm (1/4") hygrometer probe means smaller drill holes
- Temp range: 0° to 60°C (32° to 140°F), accuracy $\pm 0.3^{\circ}\text{C}$ ($\pm 0.5^{\circ}\text{F}$)
- Relative Humidity: 0 to 100% (0.1% resolution, $\pm 3\%$ accuracy from 20 to 80% $\pm 5\%$ otherwise)
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100m line of sight range

£209



KANE-WHP

- 1 Wireless hygrometer probe with magnets, 2 AA batteries

£115

The Smart Way to test A/C & Refrigeration

KANE-WOT2



Outdoor Temperature Sensor

Applications

- Test A/C & Refrigeration Condensor temperatures
- Target A/C & Refrigeration Superheat & Subcool

Measures

- Temperature range 0° to 82°C (32° to 180°F)

Features

- Outdoor air temperature measurements for target superheat calculation
- Magnetic hanger
- 2 positions for hands free use - Condensor side or top
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100M line of sight range



KANE-WOT2

- Wireless outside temperature probe, magnetic hanger, 2 AA batteries



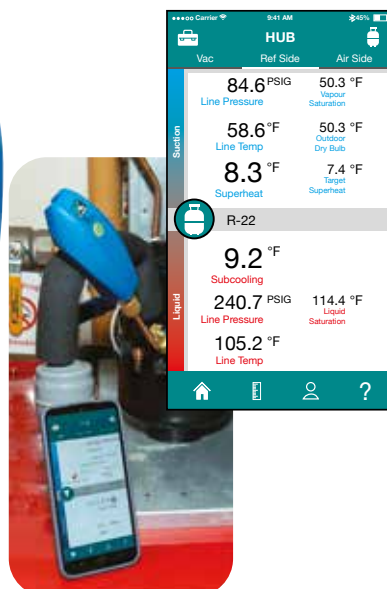
£99

Outdoor air temperature measurement



KANE-WVG2

- Wireless vacuum gauge probe, 45° coupler, 2 AA batteries



£169

KANE-WVG2



Wireless Vacuum Gauge

Applications

- Test A/C & refrigeration system evacuation
- Ensure moisture & non condensate removal

Measures

- Vacuum range: 20,000 microns
- 700 psi maximum over range

Features

- 45° coupler & nickel plated male flare fitting
- Oil contamination warning & sensor failure detection
- Magnetic hanger
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100M line of sight range



10
YEAR
WARRANTY

20
YEAR
ALL INCLUSIVE

KANE-HUB Wireless Probe Kits



KANE-HUB2 KIT

- 2 KANE-WPCP wireless temperature pipe clamp probes
- Test Heat Pump flow & return
- Also use with KANE LINK™ Analysers

£209



KANE-HUB4 KIT

- As KANE-HUB2 plus 2 KANE-WPP pass through pressure probes
- Test AC & Refrigeration Pressures & Temperatures
- Also use with KANE460 Analyser

£439



KANE-HUB6 KIT

- As KANE-HUB4 plus KANE-WVG2 vacuum gauge & KANE-WOT2 outdoor condenser temperature probe
- Target AC & Refrigeration Superheat & Subcool & test system evacuation
- Also use with KANE460 Analyser

£707



KANE-HUB8 KIT

- As KANE-HUB6 plus 2 KANE-WHP duct temp & RH probes
- All AC & Refrigeration Duct system parameters
- Also use with KANE460 Analyser

£916

Pressure Meters & Tightness Testers



Supplied with HARHOSE pressure hose, 9V PP3 alkaline battery & MSC00238 protective case

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 - now standard

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

KANE3500-1	Range \pm 1 psi / 80 mbar	£279
KANE3500-2	Range \pm 2 psi / 160 mbar	£279
KANE3500-5	Range \pm 5 psi / 400 mbar	£309
KANE3500-15	Range \pm 15 psi / 1040 mbar	£309
KANE3500-30	Range \pm 30 psi / 2070 mbar	£309

KANE-EVBPT

EV Battery Integrity Pressure Test Kit

Description

- Applications - Hyundai Kona EV, Jaguar I-Pace, Kia Niro EV, Nissan Leaf
- Pressures vary from manufacturer, typically 20 - 50 Millibar (0.8psi max)
- Check battery component seals in a safe & controlled manner
- Follows vehicle manufacturer procedure



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

£724



Supplied with digital manometer for accurate readings, foot pump & adaptors

KANE-DPM

Differential Pressure Meter

- Measure Appliance Gas & Draught Pressures
- Use KANE LIVE app for let by & tightness tests
- Test Ductwork Air Pressure & Filter Performance

Features

- Measures positive & negative pressures to +150 mbar
- Temperature compensated for accuracy
- Easy to read large backlit display
- Wireless data transfer
- One hand & hands free use
- Protective rubber sleeve
- 1 year warranty
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

Supplied with HARHOSE pressure hose, 3 AAA alkaline batteries & MSC00238 protective case

£179



Tightness testing

All prices exclude VAT

PRD2

Pressure Relief Device



£40

Description

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

KANE-IRP3

Infra-red printer

- Produce test reports using optional KANE-IRP3 Infra-Red Printer

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	0.05
STABIL'N Mins	1:00
TIGHTN'S Mins	2:00
.....	
Customer	
.....	
Appliance	
.....	
Ref.	
.....	

Supplied with 4 rechargeable batteries & USB1 charger



£225

Combustible & Refrigerant Gas Leak Detectors

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 2 AA alkaline batteries & MSC00238 protective case



£169



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 2 AA alkaline batteries & MSC00238 protective case



£189

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

Supplied with 2 AA alkaline batteries



£89

Personal Protection

£129

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



Ambient CO2 IAQ tester

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



£189

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

Thermal Imaging

KANE-TCAM

Thermal Imaging Camera

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

Ideal problem solver for:

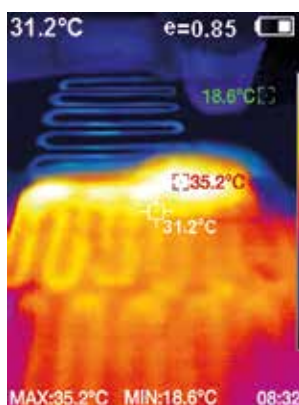
- **Plumbing** & Heating
 - Radiators, underfloor heating, energy auditing or water damage
- Automotive
 - Heated seats & windows, high resistance in wiring, overheating wiring or components

Features:

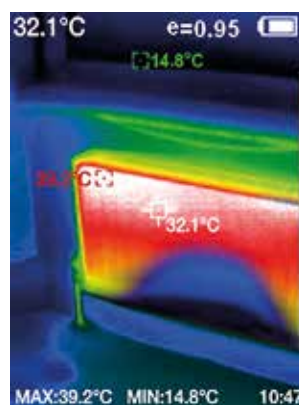
- Large colour display & on-screen cursor
 - Accurately locate temperature hotspots
- 3GB SD Card Data storage
 - Store up to 20,000 images that can be extracted through USB
- Rechargeable battery
 - 3 hours during normal operation
- Temperature -20 - +300°C
- Four types of surface measurement modes:
 - Coarse surface
 - Semi-matte surface
 - Semi-shiny surface
 - Shiny surface



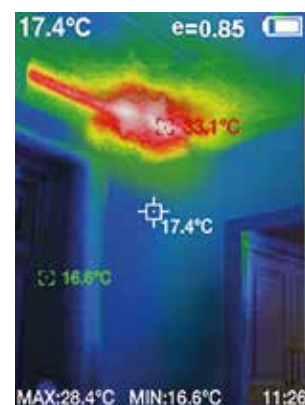
£759



Underfloor heating

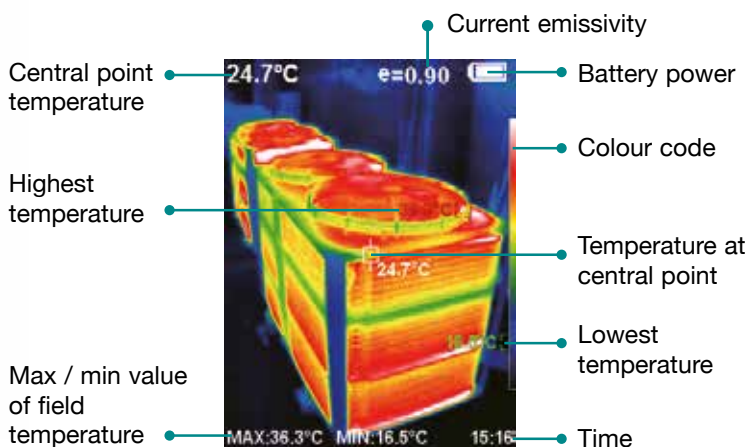


Blocked radiators



Invisible leaks

Display Screen 2.8 inch full view TFT display



Supplied with sealed battery pack, USB charger & MSC00237 protective case

Temperature

KANE-DT2

Digital Differential Thermometer

- Confirm Boiler, Heat Pump & ACR System Performance
- Prevent Legionella & Skin Burns

Applications

- Test boiler & heat pump flow & return, A/C & refrigeration systems
- Check cold water inlet & hot water outlet temperatures

Features:

- Measures -200°C to +1370°C
- 2 channels measures temperature separately, together & their differential
- Use K, J, T, E, R & S type probes
- See Max, Min & Average temperatures
- Freeze tests with Data hold function
- Store up to 9,999 tests
- Easy to read large backlit display
- One hand & hands free use
- Protective rubber sleeve
- Supplied with 2 K Type wire probes, 3 AA batteries & protective pouch
- 1 year warranty

Stop Legionella

Avoid Legionella risk - Keep cold water below 20 °C & hot water above 60 °C, circulated above 50 °C.

Employers with hot & cold water or wet cooling systems must identify & prevent contamination risks - see HSE Approved Code of Practice www.hse.gov.uk/legionnaires

Prevent Burns

HSE & NHS guidelines state space heater surface temperatures should be below 43 °C to remove burn risks - e.g: thermal storage heaters, oil-filled or conventional radiators



£149

H&V KIT

Heating & Ventilation kit includes:

KANE-DT2 Digital Thermometer

2 **KWA1** Wrap Around Pipe Temperature Probes

1 **KAL1** Air Liquid Temperature Probe

1 **KSP1** Surface Temperature Probe

1 **KFT** Flexible Temperature Probe

Protective Carry Case

£289



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

Supplied with 2 AAA alkaline batteries & KANE-INF165C protective pouch



£99

Thermometers & Temperature Probes

KPCP

£45



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

KAL1

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

£70



KSP1

£70

Light duty surface probe -50 to +500°C



KSP2

£70

Heavy duty surface probe -50 to +500°C



KWA1

£45

Wrap around pipe probe
Measures -40 to +150°C



All prices exclude VAT

Safe Isolation & Electrical Testers

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 & pouch:
KANE-VCT & KANE-PU690V

KANE-VCT KIT Contents:

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

£179



KANE-VCT

Voltage & Continuity Tester

Features

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

EN 61010-1
CAT IV
600V



£120

£110

KANE-PU690V

690v AC Proving Unit

Features

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

EN 61010-1
CAT II
750V

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

£130



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



£35

KANE UKAS ISO 17025 Calibration Certificates

KANE UKAS certificates deliver peace of mind

- ★ Your analyser tested in our UKAS test centre
- ★ Your analyser tested to the highest standard
- ★ Your analyser tested in the most controlled environment
- ★ Your analyser tested by the best equipment
- ★ Your analyser suitable for legal submission

KANE UKAS Applications

- Room CO migration tests
- CO poisoning incident investigations
- Combustion plant in strictly controlled facilities
- Customers wanting best accuracy confirmation

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

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

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

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



Engine Exhaust Probes





We supply a range of exhaust probes for all applications

Standard Temp = 600°C/1112°F





	EP1	<ul style="list-style-type: none"> • High temp stainless steel probe • 4m neoprene tubing • Insertion depth 350mm 	£125
	EP2	<ul style="list-style-type: none"> • 4M tubing • Insertion depth 300mm • Includes in-line 70 µ filter (17702) • Ideal for 'on road' & dyno testing 	£185
	EP3	<ul style="list-style-type: none"> • High temp stainless steel probe for motorbikes & scooters • 1.5M tubing • Insertion depth 230mm 	£210
	EP4	<ul style="list-style-type: none"> • As EP3 plus: • Thermocouple to measure exhaust temp 	£320
	EP5	<ul style="list-style-type: none"> • In cab heater & forklift truck probe • 4M neoprene tubing • Insertion depth 350mm 	£125
	EP6	<ul style="list-style-type: none"> • 4M tubing • Insertion depth 1M • Ideal for 'on road' & dyno testing 	£199
	EPDEA1	<ul style="list-style-type: none"> • Diesel Smokemeter Exhaust Probe 1M • For KANE-AUTO600 	£345

Accessories/Consumables

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

	KANE-IRP3 KANE Infra-Red Printer	£225
	PRD2 Pressure Relief Device	£40



Batteries Chargers & Power Leads

	USB1 USB charger for KANE-EGA1/2/3	£45
	B15 4x 2000 mAh rechargeable batteries. Note: battery make may differ	£45
	CU12VDC2A21 Battery charger-100-240V for KANE-EGA4/5	£45
	CA10733/4 In vehicle charger for KANE-EGA4/5	£45



Carry Cases

	14102/2 Large carry bag	£80
	SM12516 Hard carry case for AUTO, OIML, MID & old shape KANE-EGA4/5	£80
	20106 Backpack	£120
	MSC00237 Hard carry case for KANE-TCAM	£35
	MSC00238 Hard carry case for KANE3500	£35
	MSC00239 Hard carry case for KANE-EGD & RGD	£35


Filters

	WSF1/5 5 water stop filters for KANE-EGA1/2/3	£40
	WSF2/10 10 water stop filters for new shape KANE-EGA4/5	£80


All prices exclude VAT

	PF400/5 5 filters for KANE-EGA1/2/3	£40
	PF2/5 5 filters for AUTO, OIML, MID, old & new shape KANE-EGA4/5	£40

Paper & Ribbons

	TP5 (pack of five) Thermal printer rolls for Infra-Red Printer KANE-IRP, KANE-IRP2 & KANE-IRP3	£35
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Probe Connectors

	SM14980 Replacement probe connector for KANE-EGA1/2/3 & new shape KANE-EGA4/5	£5
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Water Traps

	SM50515 Replacement water trap for KANE-EGA1/2/3	£50
	SM50675 Replacement water trap for new shape KANE-EGA4/5	£50
	SM10464 Replacement in-line water trap for OIML, MID & old shape KANE-EGA4/5	£50



Extender Stick

	20128 Extender stick for KANE-DTHA2	£50
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USB Lead

	CL5 USB Lead for KANE-EGA4/5	£30
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Boiler Magnet & Hooks

	SM51061 Hanging hook for KANE-EGA 4 & 5	£20
	SM50932 Analyser magnet for KANE-EGA 4 & 5	£30



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 includes accessory repair or replacement as required**
- ★ **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 Analyser Service & Recertification booked online via www.kane.co.uk & www.kanetest.ie - some exclusions apply more info at: www.kane.co.uk/service-and-re-certification



KANE CARE 5 Year Service Plan

Our 5 year KANE CARE service plan for your standard configuration analyser has all the benefits of KANE CARE plus:

- ★ **Peace of mind - no further costs for 5 years**
- ★ **10% saving on your KANE CARE Service & Recertification**
- ★ **Theft protection cover - if stolen we replace your analyser for free**
- ★ **Secure activation via www.kane.co.uk**
- ★ **Annual UKAS Calibration Certificate option**

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

T&Cs apply



KANE CARE 5 Year Service Plan Options

KANE5SP - KANE-EGA1 - 3	£560
KANE5SP with UKAS certificates	£1395
KANE4605SP - KANE-EGA4 & 5	£780
KANE4605SP with UKAS certificates	£1615



UK & Ireland Same Day Despatch KANE CARE Service & Recertification



Register your analyser on
www.kane.co.uk or
www.kanetest.ie



Book & pay to Service & Recertify
via your dashboard

Select FREEPOST for tracked
carriage - UK & Ireland mainland only



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

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

**European Union
Service & Recertification
All Inclusive Price KANE CARE**



**Register your analyser on
www.kane.eu**



**Pay our all inclusive
KANE CARE quote**

Send your analyser & accessories



10
YEAR
WARRANTY

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



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 or email sales@kane.co.uk

International All Inclusive Price KANE CARE Service & Recertification



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

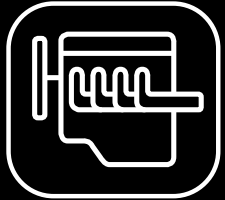
Pay our all inclusive KANE CARE quote



Send your analyser & accessories

We return free of charge* with 1 year
warranty if under 10 years old





WE'VE GOT YOUR BACK



Distributed by:



Customer Service



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+44 1707 375550
www.kane.co.uk
Email: sales@kane.co.uk



1800 852 937
www.kanetest.ie

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★ Trustpilot



Prices valid from 1st June 2024. We reserve the right to change prices, products & specifications without prior notice. Kit contents may change - Please check before purchase. All prices ex-works £ GBP & exclude VAT. Free UK & Ireland mainland delivery for orders via www.kane.co.uk or www.kanetest.ie or non web orders over £275 / €330 - otherwise £12 / €15 for next day or £25 / €30 for next day delivery by 10am. Additional £35 / €42 for reseller orders with 3rd party delivery address. Free EU mainland delivery for orders via kane.eu. Product images not to scale unless stated & colours may vary from those illustrated.

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