KANE AUTO

Essential instruments

Engine emissions
September 2022 Unpriced

KANE CARE

10 YEAR WARRANTY

FREEPOST SERVICE

20 YEAR ALL INCLUSIVE

Welcome to our latest Engine Emissions Testing catalogue

We are the only UK manufacturer of engine exhaust gas analysers with a 10 year warranty if serviced annually

From Autos to Zambonis & buses to motorbikes, we have a KANE analyser for you

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

Here's what's new:

- ★ KANE-EGA1-3 - Our new shape 1, 2 or 3 exhaust gas analysers for simple spot checks - easy to upgrade with KANE LINK™, our wireless measurement & futureproof promise
- ★ KANE-EGA4-5 - Our new shape 4 or 5 gas diagnostic analyser designed to meet OIML Class 1 with KANE LINK™, also tests vehicle A/C & refrigeration systems with optional accessories
- ★ KANE600 Smokemeter - the World's only battery powered, go anywhere portable smokemeter designed to meet official test specifications
- ★ KANE-TCAM Thermal Imaging Camera – Combines surface temperature measurement & real-time thermal imaging - See the unseeable!
- ★ Our great range of pressure meters, leak detectors, temperature & electrical testers

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2022

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

Working with some of the worlds leading automotive brands

AA · BOSCH · DUCATI CORSE · JAGUAR · JUNGHEINRICH Machines. Ideas. Solutions. · LAND ROVER · Linde · Snap-on

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Global Quality, Environment, Health & Safety

Auxiliary Heaters to Zamboni Machines

Engine Exhaust Testing

see pages 5-12

Which KANE EGA is right for me?

Analysers supplied with:

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

Made in the UK

KAM

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

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

What do I get?

KANE-EGA1, 2 & 3

Optional extra:

KANE-IRP3 Infra Red Printer

KANE-EGA4 & 5

For full details see pages 7-10

*One CO sensor option only ** Optional KANE LINK ACR probes available soon

KANE-EGA1/2/3 LINK

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*

CO_2 0-20%

O_2 0-21%

NO 0-600ppm

Which EGA would I like?

1 Gas | 2 Gas | 3 Gas

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

Supplied with:

- **KANE LINK**™ wireless module, EP1 emissions probe, USB1 charger & 14102/2 carry bag

Made in the UK

*One CO sensor option only

Battery Powered Exhaust Gas Analyser

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

Applications

- Test performance & safety of any fossil fuelled 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_2 0-20%
- NO 0-600ppm
- CO 0-10%
- O_2 0-21%

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

In cab heater CO_2 test with EP5 probe

Exhaust probe & accessory options

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

Diesel Generator NOx test

KANE LINK™ options

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

See KANE LINK devices on pages 13-14

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

KANE LINK™ devices - see pages 13-14

KANE-EGA4/5

Diagnose engine performance with unique NDIR sensor technology

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%	**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** 0.6-1.6
	NO 0-600ppm

Which EGA would I like?

Supplied with:

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

4 Gas

KANE-EGA4

5 Gas

KANE-EGA5

Made in the UK

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%
- CO_2 0-20%
- HC 0-5000ppm
- O_2 0-21%
- NO 0-1500ppm option
- ACR pressure & temp option

Calculates
- Lambda/AFR 0.8-1.2
- NOx 0-1500ppm optional
- ACR sub cool & super heat

Fuel Types
- Petrol / Gasoline
- Diesel
- LPG or CNG
- Most refrigerants

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

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Exhaust analysis & engine diagnostics

Fork lift truck emissions test

Sensor, exhaust probe & accessory options

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

See KANE LINK devices on pages 13-14

*Optional KANE LINKTM ACR probes available soon

KANE-AUTO600

Portable Diesel Smokemeter

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

Low Emissions Zone test

Supplied with:

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

Made in the UK

Applications

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

Measures

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

Fuel Types

- Diesel

Features

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

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Diesel engine smoke test

Wireless smoke test

Pollution spot test

KANE LINK

°C|F

IAQ

CO

Wireless measurement & future proof

EGA sold separately