



KANE-EGD/RGD



Combustible & Refrigerant Leak Detectors



KANE
★★★★★
CARE

10
YEAR
WARRANTY

RECERTIFY
SAME DAY
DESPATCH

20
YEAR
ALL INCLUSIVE

APRIL 2023

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1 OVERVIEW

Your gas leak detector detects combustible gas leaks (KANE-EGD) or refrigerant gas leak (KANE-RGD) depending on model chosen.

Please read these instructions fully before use.

This detector pin-points small gas leaks - It does not MEASURE gas levels.

Do not use as a personal safety monitor.

Take extreme care, especially when gas is detected - If in doubt, open doors and windows to ventilate rooms under test, ensure people are not at risk and call the Emergency Service Provider.

2 FEATURES AND LAYOUT

KANE-EGD & KANE-RGD



KANE-RGD



KANE-EGD & RGD BACK



Serial number

Battery compartment

3 SAFETY WARNING

SAFETY WARNING!



Gases are life threatening even at low concentrations.

Ensure you understand the risks before investigating

This detector measures combustible or refrigerant gases that may be toxic in relatively low concentrations.

This detector must only be used by trained and competent persons after due consideration of all the potential hazards.

4 BATTERIES

This detector requires 2 AA batteries - Use Alkaline batteries when possible.

Take care to ensure batteries are inserted correctly.

When replacing, please dispose in accordance with local regulations.

5 OPERATION

Warm up:

Power On in fresh air - Press and hold on/off buttons.

Torch light briefly illuminates, top red LED illuminates and tic rate is 1/2 seconds.

Your detector LEDs cycle for approx 20 secs to indicate warm-up.

When complete bottom green LED illuminates and detector tic rate is 1/2 seconds.

Normal operation:

Green battery status LED stays illuminated if batteries have sufficient power.

If flashing, batteries must be replaced.

In fresh air detector tic rate stays 1/2 seconds..

If gas is detected detector tic rate increases and Yellow LEDs illuminate.

Red LEDs illuminate at higher levels of gas and detector tic rate increases to almost continuous - Rotate thumb wheel anti clockwise to reset detector to new background level.

Move detector tip into higher concentrations of gas indicated by increased tic rate and yellow & red LEDs until leak is found.

Power on torch by pressing torch and mute button for 2 seconds - To turn off repeat process.

To mute tic sound press and hold torch and mute button 2 times in quick session and hold down button for 2 seconds on second press - To un mute repeat process.

Tips:

If initial tic rate does not settle to 1/2 seconds, power off and on to allow additional re-setting time.

Reset your detector any time by powering off and on.

Some leak detection fluids cause a temporary false indication - Use your detector first!

Your detector is intended for use in sheltered indoor areas - Severe draughts may cause temporary false indication.

Avoid contamination by water or dirt and do not allow any reactive chemicals etc. to torch the gas sensor.

COLD WEATHER PRECAUTIONS

It is important to keep your product warm overnight.

Electronic devices that become really cold, by being left in a vehicle overnight suffer when taken into a warm room the next morning. Condensation may form which can affect product performance & cause permanent damage

Gas sensors can be affected by condensation or water.

If you think that your product is affected by condensation or water ingress, it may be possible to rectify the problem yourself. Leave the product running in a warm place for a few hours (use mains adapter/battery charger if needed).

If you experience problems call our Customer Service team 0800 059 0800
Or email: sales@kane.co.uk

7 SPECIFICATIONS

Power Supply:	2 x AA alkaline batteries
Sensor:	Solid state semiconductor
Sensitivity	
KANE-EGD	<50ppm methane >20ppm H ₂
KANE-RGD	10g/yr based on R134a
Indicators:	Audible: Variable tic rate Visual: Multi-colored LEDs
Warm-up:	20 seconds
Response Time:	<1 second
Duty Cycle:	Continuous
Battery Life:	>12 hours typical use
Dimensions:	Instrument = 180mm long Probe = 430 mm long
Weight:	Approx. 250gm
Operational Range:	0-40°C, 10% to 90% RH non-condensing
Gases detected include	
KANE-EGD	Acetone, Alcohol, Ammonia, Benzene, Butane, Ethylene, Gasoline – Petrol, Hydrogen, Industrial Solvents, Jet Fuel, Lacquer, Thinners, Methane, Naphtha, Natural Gas, Propane, Toluene
KANE-RGD	CFC, HFC, HCFC, R11, R22, R32, R134a, R600a, R290, R1234yf etc.

8 EU DECLARATON OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer:-

Kane International Ltd.

Kane House, 11 Bessemer Road, Welwyn Garden City, Hertfordshire, AL10 1GF, UK.

Tel: + 1707 375550

Web: www.kane.co.uk

The KANE-EGD and KANE-RGD are in conformity with the relevant Union harmonization

UK Directive	
The Electromagnetic Compatibility Regulations 2016 (EMC)	
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (RoHS)	
Electrical Equipment (Safety) Regulations 2016	
EU Directive	Title
201430EU	Electromagnetic Compatibility (EMC)
201165EU	Restriction of the use of certain hazardous substances in electrical and electronic equipment (EMC)
2014/35	Low Voltage Directive (LVD)

The following harmonised standards and technical specifications have been applied:

EMC (UK & EU)

EN61326-1:2013, EN61326-2-2:2013

SAFETY (UK & EU)

EN61010-1:2010

ROHS (UK & EU)

IEC62321-2:2013, IEC62321-1:2013, IEC62321-3-1:2013, IEC62321-5:2013, IEC62321-4:2013, IEC62321-7-2:2017, IEC62321-7-1:2015, IEC62321-6:2015, IEC 62321-8:2015

Signed for on behalf of:-
01. July 2022

Kane International Ltd.



Paul Morrison
Engineering Manager

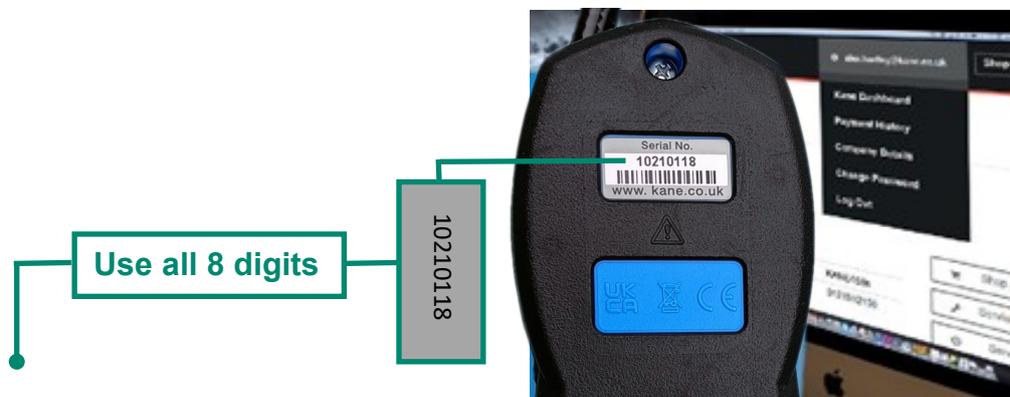


Welcome to KANE CARE

- 9 **KANE CARE is our award winning promise to never let you down or your money back**

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

For KANE CARE International Service & Recertification



- ★ Please **register** your analyser on our website to download your instruction manual
- ★ **PLEASE READ ALL SAFETY WARNINGS IN THE MANUAL**
- ★ Use our website to manage your analyser, buy spares & other KANE products
- ★ Find FAQs on our website or YouTube Channel
- ★ Any questions? Call our Customer Service Team 7am - 5pm any normal weekday 0800 059 0800

More info at: www.kane.co.uk/service-and-re-calibration

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

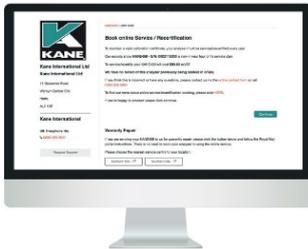




UK & Ireland
Same Day Despatch
KANE CARE Service & Recertification



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



Book & pay to Service & Recertify
via your dashboard

Select FREEPOST for tracked
carriage - UK & Ireland mainland only



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

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

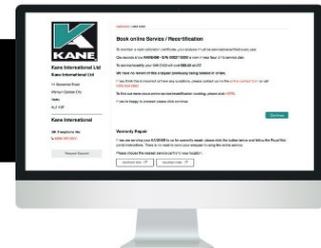


International
All Inclusive Price
KANE CARE Service & Recertification



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

Pay our all inclusive
KANE CARE quote



Send your analyser & accessories

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



*Excludes local tax & duty



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
- ★ 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

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

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

KANE CARE International Service & Recertification

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

- ★ 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 certification & 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

Customer Service

0800 059 0800

+44 1707 375550

Email: sales@kane.co.uk

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

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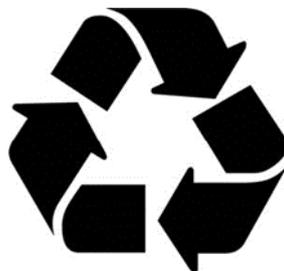
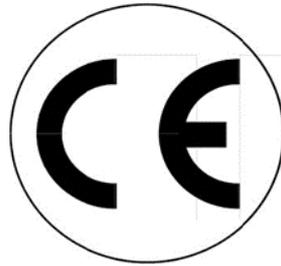


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10 DETECTOR RECYCLING

THIS PRODUCT CONFORMS WITH THE FOLLOWING



PLEASE RECYCLE

MADE IN CHINA

Thank you for buying this analyser.

Before use, please register on our website



www.kane.co.uk

Scan QR code to directly to
register your product online.

Kane International Ltd
Kane House, 11 Bessemer Road
Welwyn Garden City
Hertfordshire
AL7 1GF, UK
email: sales@kane.co.uk
telephone: 0800 059 0800

Stock No: MAN00344 Rev: 1.00423