

KANE-EGD KANE-RGD

Leak Detector's



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2022



Stock No: MAN00344 Rev: 1.01022

OCTOBER 2022

© Kane International Ltd

CONTENTS

	Page No.
ANALYSER OVERVIEW	3-4
INSTRUMENT FEATURES AND KEYPAD	5-7
SPECIFICATIONS	8
END OF LIFE DISPOSAL	9
EU DECLARATION OF CONFORMITY	10
SERVICE - CALIBRATE - RECERTIFY KANE ASSET MANAGER (KAM)	11-14
COLD WEATHER PRECAUTIONS	15

OVERVIEW

INTRODUCTION

Please read these instructions fully before using the KANE-EGD/RGD.

The KANE-EGD/RGD is powered by two AA batteries. Take care to ensure the batteries are inserted correctly. When replacing batteries please dispose of used batteries in accordance with local regulations.

The KANE-EGD/RGD will enable the operator to pin-point small gas leaks, It does not MEASURE gas levels.

Do not use the KANE-EGD/RGD as a personal safety monitor.

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

THE LEAK DETECTOR OPERATION:

Warm up:

Switch the KANE-EGD/RGD ON in fresh air, (press and hold the on/off button). The tip light will briefly illuminate. The top (red) LED will illuminate and the tic rate will be once a second.

The LEDs will then cycle for approximately 20 seconds to indicate the warm-up. When the warm up is complete the bottom (green) LED will be illuminated and the KANE-EGD/RGD tic rate will be once every 2 seconds.

Normal operation:

The Green battery status LED will remain illuminated if the batteries have sufficient power to run the KANE-EGD/RGD. If the Green LED is flashing the batteries in the KANE-EGD/RGD must be replaced.

In fresh air the unit will tic once every two seconds.

If gas is detected the tic rate will increase, the Yellow LED's will illuminate.

The Red LED's will illuminate at higher levels of gas and the tic rate will increase to become almost continuous. Rotate the thumb wheel anti clockwise to reduce the tic rate, resetting the KANE-EGD/RGD to the new background level.

Move the KANE-EGD/RGD tip into higher concentrations of gas indicated by the increased tic rate and illumination of the yellow and red LED's until the leak is found.

The tip light is activated by pressing the light/mute button, to turn the light off press the button once more.

To mute the tic sound press and hold the light/mute button, to reinstate the tic sound press and hold the mute button again.

Tips:

If the initial tic rate does not settle to once every two seconds, switch off and back on to allow additional re-setting time.

The KANE-EGD/RGD may be reset at any time by switching off and back on.

**Some leak detection fluids can cause a (temporary) false indication.
Use the KANE-EGD/RGD first!**

The KANE-EGD/RGD is intended for use in sheltered areas or indoors as severe draughts may cause (temporary) false indication.

Avoid contamination by water or dirt and do not allow any reactive chemicals etc. to come into contact with the sensor.

KANE-EGD



KANE-RGD





Serial
Number

Battery
Apartment

SPECIFICATIONS

Power Supply:	2 x AA alkaline batteries
Sensor:	Solid state semiconductor
Sensitivity	
KANE-EGD	<50ppm methane >20ppm H2
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, R134a, R290, R1234yf

END OF LIFE DISPOSAL

The Waste Electrical or Electronic Equipment (WEEE) Directive requires countries in the EU to maximise collection and environmentally responsible processing of these items.

Products are now labelled with a crossed out wheeled bin symbol to remind you that they can be recycled.

Please Note: Batteries used in this instrument should be disposed of in accordance with current legislation and local guidelines.

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
2014/30EU	Electromagnetic Compatibility (EMC)
2011/65EU	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.



A handwritten signature in black ink, appearing to read 'P. Morrison'.

Paul Morrison
Engineering Manager

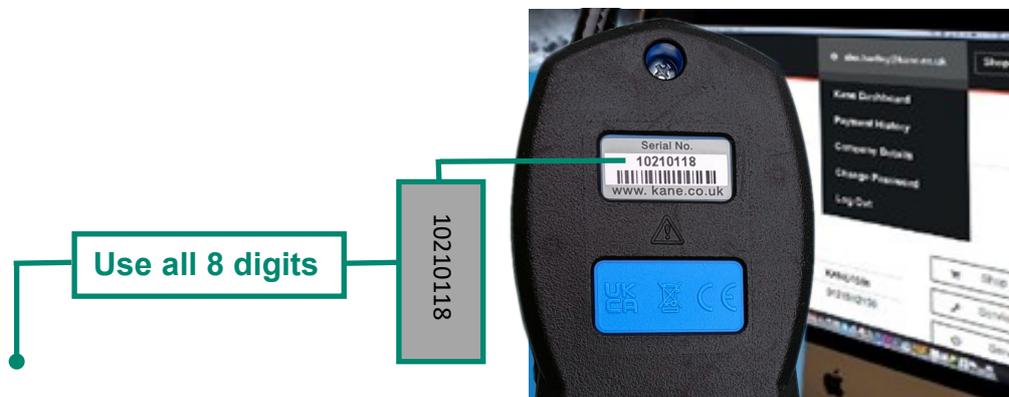


Welcome to KANE CARE

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

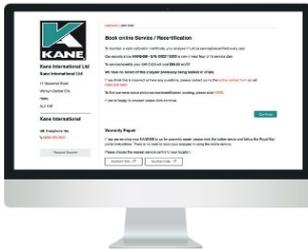




UK & Ireland
Same Day Despatch
KANE CARE Service & Recertification



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

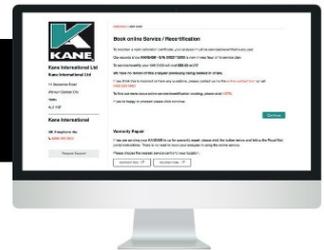


International
All Inclusive Price
KANE CARE Service & Recertification



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

Follow us on...



KANE and the Kane logo (registered in the UK and elsewhere) are trademarks of Kane Group Limited, used under licence

All other marks are trademarks of their respective holders. © 2022 Kane International Limited

COLD WEATHER PRECAUTIONS

It is important you keep your product in a warm place overnight.

Electronic devices that become really cold, by being left in a vehicle overnight suffer when taken into a warm room the next morning.

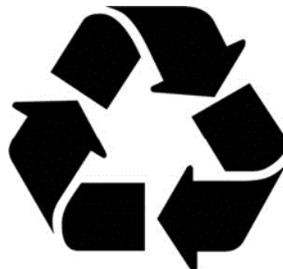
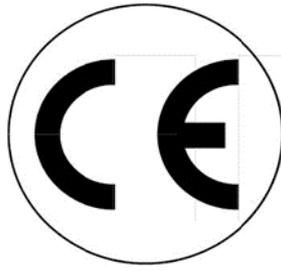
Condensation may form which can affect the product's performance & cause permanent damage

Electrochemical 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. Simply leave the product running in a warm place for a few hours (use mains adapter/battery charger if needed).

If you still experience problems please call our Customer Service team on 0800 059 0800 7am to 5pm any normal weekday.

THIS PRODUCT CONFIRMS 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