

# KANE700

## Gas Leak Detector



Stock No: 19882

February 2017

© Kane International Limited

# INTRODUCTION

Please read these instructions fully before using the KANE700.

The KANE700 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 KANE700 will enable the operator to **pin-point small combustible gas leaks**. It does not MEASURE gas levels

Do not use the KANE700 as a personal safety monitor.

Take extreme care when using the KANE700, 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 KANE700 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 KANE700 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 KANE700. If the Green LED is flashing the batteries in the KANE700 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 KANE700 to the new background level. Move the KANE700 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 KANE700 may be reset at any time by switching off and back on.

The KANE700 will detect methane and most other "HC" gases down to low ppm levels.

**Some leak detection fluids can cause a (temporary) false indication. Use the KANE700 first!**

The KANE700 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 in to contact with the sensor.

# SPECIFICATIONS

Power Supply :	2 x AA alkaline batteries
Sensor :	Solid state semi conductor
Sensitivity :	<50ppm methane
Indicators :	Audible : Variable tic rate Visual : Multi-coloured 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:	Acetone Alcohol Ammonia Benzene Butane Ethylene Gasoline – Petrol Hydrogen Industrial Solvents Jet Fuel Lacquer Thinners Methane Naphtha Natural Gas Propane Toluene

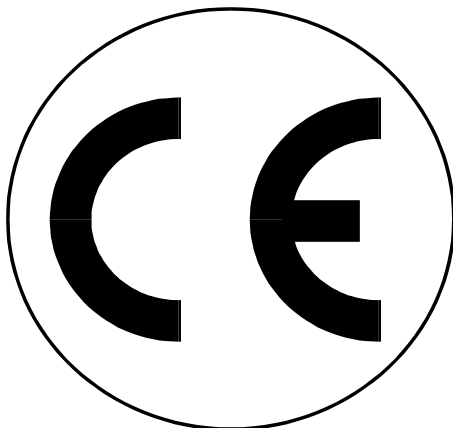
# ELECTROMAGNETIC COMPATIBILITY

The European Council Directive 89/336/EEC requires that electronic equipment does not generate electromagnetic disturbances that exceed defined levels and has an adequate level of immunity to enable it to be operated as intended. Specific standards applicable to this product are stated below.

Since there are many electrical products in use that pre-date this Directive and may emit electromagnetic radiation in excess of the standards defined in the Directive there may be occasions where it would be appropriate to check the equipment prior to use. The following procedure should be adopted:

- Go through the normal start up sequence in the location where the equipment is to be used.
- Switch on all localised electrical equipment that might be capable of causing interference.
- Check that performance is as expected. (A level of disturbance in the performance is acceptable). If not adjust the position of the instrument to minimise interference or switch off, if possible, the offending equipment for the duration of the test.

At the time of writing this manual (January 2017) there is no awareness of any field based situation where such interference has ever occurred and this advice is only given to satisfy the requirements of the Directive.



This product has been tested for compliance with the following generic standards:

EN61000-6-3  
EN61000-6-1

and is certified to be compliant

Specification EC/EMC/KI/KANE700 details the specific test configuration, performance and conditions of use.

## PROTECTION AGAINST ELECTRIC SHOCK

(in accordance with EN 61010-1 : 2007)

This instrument is designated as Class 3, SELV.

## **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.

# KANE DASHBOARD



We really want you to register your Kane product at [www.kane.co.uk](http://www.kane.co.uk) to create your dashboard - your personal online product portal

Benefits include:



A record of your model & serial number with ability to report your product stolen



Product specific information & resources all in one place



Fixed Service, Calibration & Recertification prices are always visible


Your product details

Your Company details, logo social media etc

Manage your product

dashboard • s/n: 8408762 ← Back to dashboard

### KANE3500-2 - S/N: 8408762



**Details**

Product: KANE3500-2  
Serial no. 8408762

[Service & Recertify](#)

[Calibration Certificate](#)

[Report Stolen](#)

[Remove Analyser](#)

**Service Price**

Calibrate and Recertify	UKAS Cert only	UKAS Cert with Calibration	UKAS Cert with Service
£25	£55	£67	N/A

All prices are in £ sterling and are exclusive of VAT.

**Resources for your KANE3500-2**

**Software**

- [KANE Wireless Printer - iPad App](#)
- [KANE Wireless Printer - iPhone App](#)
- [KANE Wireless Printer \(Android app\)](#)

**Manual**

- [KANE3500 English - Rest of the World](#)
- [KANE3500 English - UK](#)

**Knowledge Centre Articles**

- [How do I enter my company details into my KANE3500 Pressure Meter?](#)
- [When do I know that the readings I am seeing are the ones I should record or print?](#)

Need help?

Service pricing

Relevant information for your product



## **ANNUAL SERVICE & RECERTIFICATION**

This product should be calibrated and recertified annually to counter any long-term sensor or electronics drift or accidental damage.

Local regulations may require more frequent re-certification.

Kane International has service facilities at Atherton near Manchester Tel: 01942-873434 (the primary Customer Service centre for UK customers) and at Welwyn Garden City in Hertfordshire Tel: 01707-375550 (the primary Customer Service centre for non-UK customers).

## **SERVICE - CALIBRATE - RECERTIFY**

**YOU CAN COUNT THE REASONS WHY ON ONE HAND!**

1. Fixed prices ensure you know the full cost of ownership before you buy.
2. Test products will drift out of calibration over time – only Kane can adjust them back to the manufacturers' specification & return them as accurate as when they were purchased.
3. Test products always seem to require a service when you need them most! Kane's two UK Customer Service centres pride themselves on their fast service turnaround times.

## KANE IS NOW THE UK'S LARGEST, FASTEST & MOST RELIABLE FGA AFTER SALES SERVICE PROVIDER

- ✓ Our Northern & Southern Customer Service centres are the UK's only locations authorised to Service - Calibrate - Recertify & Repair Kane products

We pride ourselves on our fast turnaround for a fixed price, which includes:

- Inspecting your product & accessories, testing its functionality & adjusting it to our original specification
  - Return carriage via Next Day delivery service (UK mainland only)
- ✓ Kane is the only UK manufacturer of hand-held gas analysers granted UKAS accreditation to ISO / IEC 17025:2005 for its Welwyn Garden City calibration laboratory, covering a range of gases, temperature & pressure. Kane is certified to ISO 9001, ISO 14001 & BS OHSAS 18001

## **RETURNING YOUR PRODUCT TO KANE**

Before returning your product to Kane, please ensure that you enclose:

- Your full contact details
  - A daytime telephone number
  - Details of faults you might have experienced
  - Any relevant accessories.
- Any accessories that are returned will be checked

### **PACKING YOUR PRODUCT:**

When returning your product, use a suitably sized container & pack out empty space with newspaper

Before sealing your package, please ensure you followed our procedure above & have clearly marked your box for the Kane Customer Service Team

If you do not have an account with a courier company, take your package to your local Post Office – we recommend Special Delivery so that it is insured & traceable in transit

### **WHEN WE RECEIVE YOUR PRODUCT:**

Our Service Engineers will inspect the product & accessories and they will confirm the total service cost.

Once accepted, the work will be carried out & on completion, returned to you by Next Day delivery service (UK mainland only)

## **WHERE TO SEND YOUR ANALYSER**

Northern Customer Service  
Kane International Ltd  
Gibfield Park Avenue  
Atherton,  
Manchester  
M46 0SY, UK  
t: +44 (0) 1942 873434  
f: +44 (0) 1942 873558  
e: nservice@kane.co.uk

Southern & International Customer Service  
Kane International Ltd  
Kane House, 11 Bessemer Road  
Welwyn Garden City  
Hertfordshire  
AL7 1GF, UK  
t: +44 (0) 1707 384834  
f: +44 (0) 1707 384833  
e: sservice@kane.co.uk

## **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, after doing this, you still experience problems please contact our Customer Service centres.

# PRODUCT REGISTRATION

Please register your Kane product at [www.kane.co.uk](http://www.kane.co.uk)  
or complete, detach and return to: Kane International Ltd, Kane House,  
11 Bessemer Road, Welwyn Garden City, Hertfordshire, AL7 1GF

<b>Your Details</b>	
Name:	
Job Title:	
Company Name:	
Company Address 1:	
Address 2:	
Town/City:	
County:	
Postcode:	
Country:	
Phone Number:	
Fax Number:	
Mobile Number:	
Email Address:	

<b>Product Details</b>	
<i>Note: Proof of Purchase may be required for warranty claims.</i>	
Date Purchased: as numbers (28.01.14):	
Purchased From:	
Model Number:	<b>KANE700</b>
Product Serial Number: located on the rear product label beneath the protective rubber sleeve	



Why did you buy a Kane Product? (Select all that apply)

- |  |  |
|--|--|
| <input type="checkbox"/> Kane Brand            | <input type="checkbox"/> Previous Owner                      |
| <input type="checkbox"/> Dealer Recommendation | <input type="checkbox"/> Our Fixed Price Servicing Programme |
| <input type="checkbox"/> Made in the UK        | <input type="checkbox"/> Value for Money                     |
| <input type="checkbox"/> Not your Decision     | <input type="checkbox"/> Other:                              |

What brand was your previous product?

- |  |                                |
|--|--------------------------------|
| <input type="checkbox"/> 1 <sup>st</sup> time purchase | <input type="checkbox"/> Kane  |
| <input type="checkbox"/> Testo                         | <input type="checkbox"/> Anton |
| <input type="checkbox"/> Telegan                       | <input type="checkbox"/> TPI   |
| <input type="checkbox"/> Other:                        |                                |

Your feedback is important to us, please add any additional comments you would like to make with regard to your recent Kane purchase:

Thank you for completing this survey.  
All the information we have collected is confidential.  
We do not sell or share data with any other company or organisation.





Thank you for buying this  
Kane product

Before use, please register on  
our website

**[www.kane.co.uk](http://www.kane.co.uk)**



Scan the QR code to go directly  
to Register your Product on-line  
or complete, detach and return  
the Product Registration form in  
this manual.