



# Time to Stop CO





# Best Appliance Analyser Manufacturer



- 60 Years of Innovation
- Worldwide sales – designed & made in UK, sold & serviced in USA, Canada & Mexico
- Queen's Award winner – Highest Award possible
- ISO 9001, ISO 14000 & ISO 17025
- ISO 17025 test centres in UK, USA & Canada
- UK CO-Gas Safety Charity support since 1995
- US - NCOAA support since 2021



# CO - 5 Problems

## The Silent Killer

- CO cannot be seen or smelt
- CO causes life changing consequences
- CO alarms only trigger at 30ppm
- WHO limits are 4ppm in 24 hours
- Over 25% homes risk CO over WHO limits





# 5 CO Solutions



**KANE-COL**  
3 in 1 CO Monitor  
& Logger



**KANE-CMD**  
Simple appliance  
& room CO tests



**KANE-COA**  
Appliance CO tester  
with KANE LINK



**KANE-LCA**  
Safe & fast  
Combustion tests



**KANE-IIA**  
CO Incident Investigation  
Analyser with KANE LINK

# Why we test

## SEE - Safety, Efficiency, Emissions

Lord Kelvin:

“To measure is to know”

- Safe appliance install & service
- Prevent CO death & injury
- Comply with legislation
- Extend appliance warranty







# Collaboration ends CO deaths & injuries



- Learn from victims – UK CO-Gas Safety Charity
- CoGDEM Instrument Association
- EUA HHIC Appliance association
- Create intelligent best practice standards:
- Benchmark log book, EN50379, BS7867 & EN TS50612
- Update EU Gas Appliance Directive & EPBD
- AHRI 1260 – USA analyser performance standard
- MORE collaboration needed



# CO - 5 Challenges

## Barriers to Testing

- Too few contractors know what to do
- They hate call backs – Time is money
- Testing procedures challenging & take too long
- Contractors need generic guidance
- They need simple focused tests



# Testing – The only Answer

Appliance, Sweep & Room CO Test – UK BS7967

- Appliance test – 1 min
- Sweep test - 2 mins
- 4 rooms - 30 mins
- Explained in UK BS7967





# Testing Easy

Emergency Service must test all homes for CO

- UK Gas Utility report - Giving Carbon Monoxide nowhere to hide
- **What our engineers said:**
  - *“.. welcomed new technology, with no .. negative comment”*
  - *“intuitive to use”*
  - *“Time .. rose by .. 5-7 minutes, but .. time very well spent – given what was at stake.”*
- <http://www.northerngasnetworks.co.uk/wp-content/uploads/2015/10/Giving-carbon-monoxide-nowhere-to-hide.pdf>
- **UK Use it or Lose it CO fund doubled – All now testing CO**

# Testing – The only Answer

## Appliance Sweep Test

- Sweep test - 2 mins
- Stops CO leaking into homes
- Wall or floor appliances
- Simple to follow in BS7967
- See how here:

- <https://vimeo.com/727002257/939926c093>





# Next Steps

- Listen & learn from victims
- Appliances are safe – Contractors introduce risk
- Products must be tested after Install & Service
- Contractors must use generic appliance log books
- Industry must use standard tests – e.g: Sweep test
- Use AHRI 1260 analyser performance standard
- Work together – Deliver results – Stop CO

**SERVICE RECORD**

It is recommended that your heating system is serviced regularly and that the appropriate Service Record is completed.  
Before completing the appropriate Service Record below, please ensure you have carried out the service as described in the manufacturer's instructions.  
Please use the manufacturer's specified spare parts when replacing controls.

SERVICE 01		SERVICE 02	
Engineer name:	Date:	Engineer name:	Date:
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
At max. rate:	CO ppm AND CO <sub>2</sub> %	At max. rate:	CO ppm AND CO <sub>2</sub> %
Revised:	At min. rate: (other Pressures)	Revised:	At min. rate: (other Pressures)
Comments:		Comments:	
Signature:		Signature:	
SERVICE 03		SERVICE 04	
Engineer name:	Date:	Engineer name:	Date:
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
At max. rate:	CO ppm AND CO <sub>2</sub> %	At max. rate:	CO ppm AND CO <sub>2</sub> %
Revised:	At min. rate: (other Pressures)	Revised:	At min. rate: (other Pressures)
Comments:		Comments:	
Signature:		Signature:	
SERVICE 05		SERVICE 06	
Engineer name:	Date:	Engineer name:	Date:
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
At max. rate:	CO ppm AND CO <sub>2</sub> %	At max. rate:	CO ppm AND CO <sub>2</sub> %
Revised:	At min. rate: (other Pressures)	Revised:	At min. rate: (other Pressures)
Comments:		Comments:	
Signature:		Signature:	
SERVICE 07		SERVICE 08	
Engineer name:	Date:	Engineer name:	Date:
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
At max. rate:	CO ppm AND CO <sub>2</sub> %	At max. rate:	CO ppm AND CO <sub>2</sub> %
Revised:	At min. rate: (other Pressures)	Revised:	At min. rate: (other Pressures)
Comments:		Comments:	
Signature:		Signature:	
SERVICE 09		SERVICE 10	
Engineer name:	Date:	Engineer name:	Date:
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
At max. rate:	CO ppm AND CO <sub>2</sub> %	At max. rate:	CO ppm AND CO <sub>2</sub> %
Revised:	At min. rate: (other Pressures)	Revised:	At min. rate: (other Pressures)
Comments:		Comments:	
Signature:		Signature:	

All installations in England and Wales must be notified to Local Authority Building Control (LABC) either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer.

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