



# Essential instruments

KANE460 HVACR Analyser  
Heating, Cooling, Refrigeration & IAQ  
July 2023



## Game Changer



Serviced  
in EU





Welcome to KANE460 - our Game Changer

KANE460 is the world's 1<sup>st</sup> domestic & commercial heating, cooling & refrigeration analyser

No cables, manifold, hoses or refrigerant leaks with all tests sync'd to our KANE live app

KANE460 is backed by our KANE CARE promise to never let you down or your money back & KANE LINK, our future proof promise

Welcome the future today with KANE460 - our Game Changer

Questions? call **0800 059 0800** or **+44 1701 375550**

Visit **www.kane.co.uk** or email **sales@kane.co.uk**

Working with Industry, Associations & CO Safety Awareness





HVACR R290			
LP	6.29 bar	HP	16.44 bar
EV	6.3 °C	CO	38.0 °C
MT1	8.2 °C	MT2	30.4 °C
SUPERHEAT	1.9 °C	SUBCOOL	7.6 °C
24/05/23 11:15:16			



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Global Quality, Environment, Health & Safety

## Why choose UKAS calibration certificates?

Your KANE460 calibration certificate is traceable to National Standards. Our optional fixed price UKAS calibration certificate gives unrivalled verification for legal submission with worldwide recognition - Call **0800 059 0800** or **+44 1701 375550** for more information





## KANE460

### Heating, Cooling, Refrigeration & IAQ Analyser

- Test domestic & commercial heating & hot water systems
- Commission boilers, perform sweep & room CO migration tests
- Commission & test heat pumps, A/C & refrigeration systems - No manifold & hoses required
- Measure building IAQ & ventilation
- **KANE LINK™** wireless measurements
- O<sub>2</sub> & CO with NO<sub>x</sub> option
- 2 psi / 160 mbar pressure sensor for flue draught, system & tightness tests
- Hydrophobic water trap stops vapour damage
- Log, store & transfer tests to KANE LIVE App
- Fast & easy operation with large colour graphic display & rugged, compact design

### Applications

- Test domestic & commercial gas, oil & biomass appliance performance & safety
- Perform structured let by, tightness & flue draught tests
- New boiler structured commissioning test
- Appliance sweep test for CO leaks
- Simultaneous 4 room CO migration test with up to 4 KANE79 wireless CO monitors (option)
- Heat pump temperature differential test
- A/C & refrigeration superheat & subcool test
- Building ventilation & IAQ test with KANE-DTHA2 wireless anemometer for airflow, temp & RH

### KANE460

- HVACR analyser supplied with pressure hose, CP2 probe, MSC00117 protective pouch & CU12VDC2A21 charger



Kit options see pages 5-6 



Independently tested by TUV SUD to EN50379  
Use for BS7967 & TB143









# Air Quality - No cables, no manifold, no hoses & no refrigerant leaks

## Measures

- O<sub>2</sub> 0-21%
- CO 0-10,000ppm H<sub>2</sub> compensated with over range protection
- NO 0-5,000ppm (option)
- Temperature - inlet / flue gas / differential / ambient
- High accuracy differential pressure meter +/- 160mbar

## Calculates

- CO<sub>2</sub> - 0-99%
- Excess air
- NO<sub>x</sub> (if NO sensor fitted)
- A/C & Refrigeration subcool & superheat
- CO/CO<sub>2</sub> ratio
- Combustion efficiency

## Fuels & Refrigerants

- 12 standard fuels including:  
Natural Gas, LPG, Butane, Propane, Light Oil, Heavy Oil, plus 5 user fuels
- 40 refrigerants including:  
R22, R32, R134a, R290 & R410A

## Features

- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Confirm boiler safety & efficiency



Test heat pumps, A/C & refrigeration systems



## KANE LIVE APP

KANE LIVE connects & controls your KANE Analyser

- See, save & share tests
  - Snapshot tests to save & share
  - Generate PDF reports & certificates\*
  - Add company & user profiles
  - Send test results in CSV for spreadsheets
  - GPS tag your location
  - Control analyser pump, torch & fresh air purge
  - Help via in-app guides & KANE Knowledge Centre
  - Quick link to [kane.co.uk](http://kane.co.uk), e-mail & social media for FAQs & feedback
- \* market dependent



## KANE460 HVACR KIT



- KANE460 HVACR kit supplied with CP2 combustion probe, KANE-DTHA2 anemometer & 20128 extender, KANE-HUB4 kit (2 x WPCP wireless temperature clamp probes & 2 x WPP wireless pass through pressure probes), 2 psi pressure sensor & hose, CU12VDC2A21 charger, MSC00117 handset pouch, KANE-IRP3 Infra-red printer & 20106 backpack

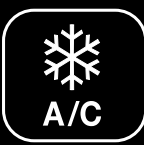
## Kit includes KANE-DTHA2



KANE-DTHA2 Wireless Airflow, Temperature, & Humidity Anemometer

### Features

- Wirelessly measure airflow, temperature & humidity
- See real time results on your KANE analyser
- Test A/C units & kitchen extraction fans
- Calculate outlet volume flow with dimensions & geometry
- Airflow: 1.1 to 20 m/s;  
Temp: -20 to +50 C; RH: 0.1 to 99%
- Optional extender probe - p/n: 20128
- IOS / Android App available
- 100M line of sight range



## KANE79



Wireless Ambient CO Monitor (option)

### Features

- Safely perform room CO migration tests
- Detects 0 – 999ppm CO to 1 ppm resolution
- Traffic light visual & audible alert with Max & Hold
- Wirelessly connect to KANE LINK™ analysers
- Test up to 4 rooms simultaneously with 4 KANE79 connected to analyser
- Optional room CO test probe stand with carry bag p/n: CPS1
- 100M line of sight range



## KANE-HUB4

### Heat Pump & Refrigeration Kit

Test system performance with wireless temperature & pressure probes replacing manifolds & hoses

Kit includes 2 x WPCP wireless temp clamp probes & 2 x WPP wireless pressure probes

**Measures**

- Flow & return / high & low temperature
- Low & high pressure - equivalent to 4 way manifold

**Calculates**

- Superheat & subcooling
- Evaporation & condensation

**Benefits**

- End refrigerant gas leak risk
- No manifold or hoses saves money, time & weight
- See & save results to transfer to KANE LIVE app
- 100M line of sight range



HVACR R290			
LP	bar	HP	bar
	6.29		16.44
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MT1	°C	MT2	°C
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SUPERHEAT	°C	SUBCOOL	°C
	1.9		7.6
24/05/23 11:15:16		[Icons]	

### KANE460 sensor & LINK options

NO 0-5,000ppm

KANE-DTHA2 wireless anemometer

KANE79 wireless room CO monitor

KANE-WPCP2 wireless temp clamp probe x 2

KANE-WPP2 wireless pressure probes x 2

Which kit  
is right  
for me?



**KANE460  
ANALYSER & PROBE**



**KANE460  
KIT**



**KANE460  
PRO KIT2**



KANE460, CP2 probe & CU12VDC2A21 charger

✓

✓

✓

MSC00117 Protective pouch

✓

✓

✓

20106 Backpack

✓

✓

KANE-IRP3 Printer

✓

✓

GLD Gas leak detector

✓

KAL1 Temp probe

✓

KANE-WPCP Wireless temperature clamp

✓x2

HARHOSE Pressure tubing

✓

ASP3 Oven, grill & fire probes




KANEMSP & SP9 Smoke pump & papers

18121 Oil gauges

KANE-DTHA2 & 20128 extender

KANE-WPP Wireless pressure probe



	KANE460 CPA KIT2	KANE460 OIL KIT	KANE460 HVACR KIT
			
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	
	✓	✓	
	✓x2		✓x2
	✓	✓	
	✓		
		✓	
		✓	
			✓
			✓x2



## KANE CARE International Service & Recertification

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

- ★ **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 certificate & repair report**

KANE CARE International applies to any KANE Analyser Service & Recertification booked & quote confirmed via [sales@kane.co.uk](mailto:sales@kane.co.uk) - some exclusions apply

more info at: [www.kane.co.uk/service-and-re-certification](http://www.kane.co.uk/service-and-re-certification)  
or email [sales@kane.co.uk](mailto:sales@kane.co.uk)



## KANE CARE 5 Year Service Plan for KANE460

Our 5 year KANE CARE Service plan for your standard configuration KANE460 has all the benefits of KANE CARE plus:

- ★ **Peace of mind - no further costs for 5 years**
- ★ **10% saving on your KANE CARE Service & Recertification**
- ★ **Theft protection cover - if stolen we replace your analyser for free**
- ★ **Secure activation via [www.kane.co.uk](http://www.kane.co.uk)**
- ★ **Only available from KANE authorised distributors**

more info at: [www.kane.co.uk/service-plan](http://www.kane.co.uk/service-plan)



**KANE4605SP**

T&Cs apply



# International All Inclusive

**KANE CARE Service & Recertification**



**email [sales@kane.co.uk](mailto: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**

**10**  
**YEAR**  
WARRANTY

FREEPOST  
SERVICE

**20**  
**YEAR**  
ALL INCLUSIVE



**KANE**  
HVACR

A/C

bar °C|F

CO

# WE'VE GOT YOUR BACK



Distributed by:



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**+44 1707 375550**

Email: [sales@kane.co.uk](mailto:sales@kane.co.uk)

Follow us on...

★★★★★ Trustpilot

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