



# Essential instruments

Domestic & light commercial  
June 2024 Unpriced



The Smart Way to test Heating,  
Cooling & Refrigeration





Welcome to KANE

What's new:

- ★ KANE-HUB - The Smart Way to test Heat Pumps, A/C & Refrigeration
- ★ KANE-DPM - Simple & fast pressure, let by & tightness tests
- ★ KANE-DT2 - Stop scalds, burns & legionella
- ★ KANE258, KANE358 & KANE3500 manometers - Wireless now standard
- ★ KANE CARE - Outstanding Service or Your Money Back

Call **0800 059 0800** or **+44 1707 375550**,  
 email **sales@kane.co.uk**, visit **www.kane.co.uk**  
 or follow **@kaneanalysers** on social media



Working with Industry, Associations & CO Safety Awareness





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**Global Quality, Environment, Health & Safety**

## KANE analysers - designed & made in the UK

Our centres are ISO 9001, ISO 14000 & ISO 17025 certified.

We support our customers in over 40 countries with partners & KANE companies in France, Germany, North America, Mexico, China, Hong Kong & Korea.

We are the only portable analyser supplier with UKAS gas certification for O<sub>2</sub>, CO & CO<sub>2</sub>.



# Essential Instruments



## KANE258

- Entry level domestic Oil, Gas & Biomass analyser
- O2 & CO over range protection
- Easy to use rotary dial & large display
- Protective magnetic hands free case
- Wireless now standard to KANE LIVE app

## KANE358

- As KANE258 plus:
- Pressure, tightness & let by
- Appliance commission test to TB143
- 2 minute appliance sweep test
- Wireless now standard to KANE LIVE app



## KANE458s

- As KANE358 plus:
- KANE LINK wireless measurement & future proof promise
- Option to test NOx to 600ppm & CO to 10,000ppm
- Heat pump test with wireless pipe clamp option
- CMDDA 5, 15 & 30 minute test with 4 room wireless option
- Ventilation temperature, humidity & airflow wireless test option
- KANE458s IAQ ambient CO2 upgrade option



Meets  
EN50379



# Outstanding Service

## KANE458s IAQ

- As KANE458s plus:
- CO to 10,000ppm with H<sub>2</sub> compensation
- Ambient CO<sub>2</sub> to 9999ppm for indoor air quality
- Appliance sweep & room safety ambient CO & CO<sub>2</sub>
- Direct fired & commercial flueless gas appliance ambient CO & CO<sub>2</sub>
- Commercial kitchen & ventilation CP42 certificate tests



## KANE460

- As KANE458s plus:
- CO to 10,000ppm with H<sub>2</sub> compensation
- Large colour display & memory
- Heat pump, air conditioning & refrigeration tests
- Target superheat & subcool with 40 refrigerant gas memory
- Wireless temp, pressure & vacuum probes option - no manifold or hoses required



## Domestic & Commercial Heating, Cooling & Refrigeration Analysers



Follow us on...





Appliance safety



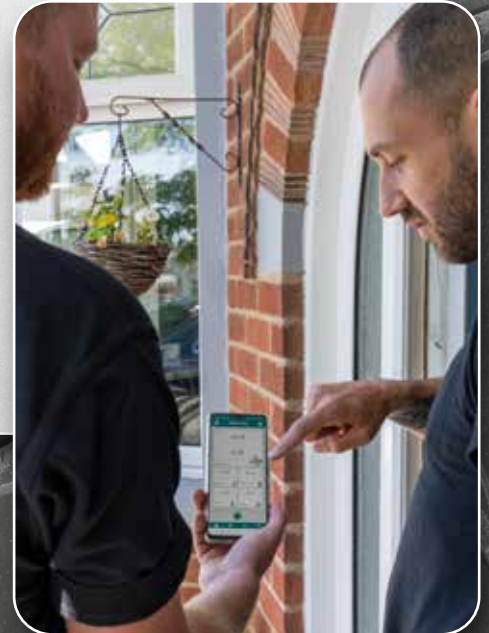
IAQ



TB143 boiler commission & BS7967 sweep test



Let by & tightness tests



KANE LIVE App

# Typical applications



**Boiler efficiency**



**CO migration test  
to CMDDA1**



**A/C & refrigeration  
commission & service**



**Wireless temperature &  
pressure measurements**

# Safety, Efficiency & Emissions

see pages 7-16

# Which analyser is right for me?



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

Options	FGA, CP2 Probe & Charger	KANE-IRP3 Printer	14102/2 Large soft case	20106 Backpack	GLD Gas leak detector	KAL1 & KPCP (x2) Temp probes	KAL1 & WPCP (x2) wireless temp probes	KANE-HUB4 WPCP (x2) & WPP (x2) wireless pressure probes	HARHOSE Pressure tubing	ASP3 Oven, grill & fire probes
ANALYSER	✓									
KIT	✓	✓	✓	✓ KANE460						
PRO KIT	✓	✓	✓		✓	✓			✓	
PRO KIT2	✓	✓		✓	✓		✓		✓	
CPA KIT	✓	✓	✓		✓	✓			✓	✓
CPA KIT2	✓	✓		✓	✓		✓		✓	✓
OIL KIT	✓	✓		✓						
COM-CAT KIT	✓	✓	✓							
CMDDA KIT	✓	✓	✓							
HVACR KIT	✓	✓		✓				✓	✓	

For full details, pricing & kit options see pages 9-16





What do I need?	KANE258	KANE358	KANE458s	KANE460
FGA approved to EN50379 by TUV	✓	✓	✓	✓
Wireless link to KANE LIVE app	✓	✓	✓	✓
Pressure, let by & tightness tests		✓	✓	✓
TB143 commission & BS7967 2 minute sweep test		✓	✓	✓
CMDDA Room CO tests			✓	✓
Ambient CO2 & COM-CAT option			✓	n/a
High CO & NOx option			✓	✓
<b>KANE LINK™</b>			✓	✓
IAQ - Temp, RH & Airflow			KANE- DTHA2*	KANE- DTHA2*
Heat pump wireless tests			KANE-WPCP*	KANE-WPCP*
Air Conditioning & Refrigeration tests				KANE-HUB4*

\* Option



# Which kit is right for me?

KANEMSP & SP9 Smoke pump & papers	18121 Oil Gauges	KANE-DTHA2 & 20128 extender	KANE78, KANE79 & CPS1 probe stand
✓	✓		
		✓	
			✓
		✓	



KIT



PRO KIT



PRO KIT2



CPA KIT



CPA KIT2



OIL KIT



COM-CAT KIT



HVACR KIT



CMDDA KIT



# KANE258

## Entry level analyser for domestic oil, gas & biomass appliances

- O<sub>2</sub>, CO & over range protection
- Easy to use rotary dial & large display
- Purge pump prevents accidental CO sensor damage
- Hydrogen (H<sub>2</sub>) ready – up to 20% blend
- Wireless data transfer to KANE LIVE
- Protective magnetic sleeve for hands free use & infrared link to optional printer
- Suitable for CCN1 or CCLP1 (including CPA1) & CENWAT

### Applications

- Test domestic appliances
- Combustion performance tests
- Combustion efficiency tests

### Measures

- CO 0-2,000ppm with over range protection
- Differential temperature

### Calculates

- CO<sub>2</sub> 0-20%
- Excess air
- CO / CO<sub>2</sub> ratio
- Combustion efficiency

### Fuel Types

- Natural Gas
- Butane
- LPG
- Light oil
- Wood pellets
- Propane

### Features

- Rotary dial & 6 line display
- Wireless now standard
  - Connect to KANE LIVE & 3rd party Apps
- Data hold, log & print with user details to optional printer
  - Produce test reports: Combustion & temperature
- Supplied with CP2 probe, rechargeable batteries & USB charger

## KANE258

- Supplied with CP2 probe, USB1 charger & 3 rechargeable batteries
- Kit options - see KANE358



Independently tested by TUV SUD to EN50379 Use for BS7967

**10**

YEAR WARRANTY

RECERTIFY

SAME DAY DESPATCH

**20**

YEAR ALL INCLUSIVE

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

## KANE5SP

KANE CARE 5 Year Service Plan

See page 33 for more details



# KANE358

## Boiler commission & appliance sweep test analyser

- Tests domestic appliances as KANE258 plus:
- TB143 Benchmark boiler commissioning test
- Automatic let by & tightness tests
- High accuracy differential pressure meter +/- 80mbar
- Flue Draught
- Also suitable for CMA1 & MET1



## KANE358

- Supplied with CP2 probe, USB1 charger & 3 rechargeable batteries
- Kit options - see below



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



TB143 test

## KANE258 / KANE358 kit options



KIT



PRO KIT



CPA KIT



OIL KIT



# KANE458s

## Domestic & Commercial analyser with KANE LINK™ & IAQ option

- As KANE358 plus:
- Test appliances up to 120KW with NOx option
- Hydrophobic filter stops water damage
- **KANE LINK™** - our wireless measurement & future proof promise
- Measure differential flow & return temperatures wirelessly with optional WPCP2 clamp probes
- CMDDA 15 & 30 minute room CO tests with option to test 4 rooms simultaneously with KANE79
- Test flueless appliances & indoor air quality with ambient CO2 sensor option
- Test commercial kitchens for indoor air quality with ambient CO2 sensor option
- Suitable for CMDDA1, CCCN1 & COMCAT, COCN1 & CIGA1 or CGDA1, CORT1, CGFE1, CCP1 or I-GAS when fitted with ambient CO2 & NOx as required - see KANE458s IAQ



## KANE458s kit options - see KANE358 plus:









PRO KIT2



CPA KIT2

## KANE458s

- Supplied with CP2 probe, USB1 charger & 3 rechargeable batteries



Independently tested by TUV SUD to EN50379 & EN50543 Use for BS7967 & CP42

## Add optional sensor for ambient CO2 IAQ testing\*\*



OIL KIT



COM-CAT KIT

**KANE LINK™** Our wireless measurement & future proof promise

**Use your KANE458s & optional wireless LINK devices to safely measure:**

- Boiler & Heat Pump flow & return temperatures
- Home & workplace IAQ, airflow & humidity
- Room CO tests - up to 4 simultaneously
- 100% H2 appliances when required
- HVO appliances when required

**Measures**

- CO2 0-20%
- CO2 0-9,999ppm (option)
- CO 0-2,000ppm or 10,000ppm H2 compensation (option)
- NO 0-600ppm (option)
- O2 0-21% when fitted
- Differential temp -20 - +1350°C - with suitable probes
- Differential pressure -80 - +80mBar
- Air flow 1.1 – 20m/s with optional KANE-DTHA2
- Temperature -20 - +50°C with optional KANE-DTHA2
- RH 0.1 – 99% with optional LINK KANE-DTHA2
- Room CO 0-999ppm with optional KANE79 CO monitor - connect up to 4

**Calculates**

- O2 / CO2
- Excess air
- NOx (option)
- CO / CO2 ratio
- Combustion efficiency

**Fuel Types**

- Natural Gas
- Butane
- LPG
- Light oil
- Wood pellets
- Propane

**Features**

- Structured tests as KANE358 plus:
- Room CO migration test plus ambient CO2 sensor option to EN50543

**KANE5SP**

KANE CARE 5 Year Service Plan

See page 33 for more details



- Tests Type C sealed appliances, Type B boiler open flue & Type A cooker, space & water heaters
- Commercial kitchen air quality test with optional ambient CO2 sensor
- Boiler emissions test with optional NOx sensor
- Data hold, log & print reports with user details to optional KANE-IRP3 printer
- Wireless transfer to KANE LIVE or 3rd party apps
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



**KANE458s sensor options:**

O2 sensor 0-21%	
CO sensor 0-10,000ppm H2 compensated - replaces standard CO sensor	
NO sensor 0-600ppm	
Ambient CO2 sensor 0-9999ppm	

**KANE LINK™ options:**

KANE-HUB2 KIT	2 KANE-WPCP wireless temp clamp probes & KANE-HUB case	
KANE-DTHA2	Wireless anemometer LINK airflow, temp & RH	
KANE79	Wireless LINK CO monitor - connect up to 4	

See KANE LINK devices on pages 17



**CMDDA KIT**



**CMDDA2 KIT**

**CMDDA2**

- As CMDDA KIT plus: 3 KANE79 & CPS1 stands

**CMDDA3**

- As CMDDA KIT plus: CP35 flex probe & KVCT volt & continuity kit & MSC00274 lock off kit



**CMDDA3 KIT**

# KANE458s IAQ



## Domestic, Commercial, Catering & IAQ analyser with **KANE LINK™** & IAQ options

- As KANE458s plus:
- Test indoor air quality (IAQ) for ambient CO<sub>2</sub> to 9999ppm
- Sweep test domestic appliances for CO & CO<sub>2</sub>
- Perform room safety tests for CO & CO<sub>2</sub>
- Test domestic & commercial flueless gas appliances, space & water heaters for ambient CO & CO<sub>2</sub>
- Test commercial kitchen appliances for CP42 gas safety certificates
- Use for CIS23 & BS8494
- Meets EN50379 & EN50543 for O<sub>2</sub>, CO & ambient CO<sub>2</sub>
- Suitable for CMDDA1 or IGEM/GL/8 investigation, CCCN1 & COMCAT, COCN1 & CIGA1 or CGDA1, CORT1, CGFE1, CCP1 or I-GAS

## KANE458s IAQ

- Supplied with CP2 probe, USB1 charger & 3 rechargeable batteries
- KANE458s Kit options - See KANE458s



Independently tested by TUV SUD to EN50379  
Use for BS7967 & TB143  
Meets EN50543

## Probe options

### CP35

- 300mm flexible probe
- 8mm diameter
- 2m neoprene hose



### ASP3 KIT

- Appliance sampling probe kit - grills, gas fires & general purpose
- 5mm diameter
- 2.2m flexible tube
- Separate handle & hose assembly



**KANE LINK™** our wireless measurement & future proof promise

**Use your KANE458s IAQ & optional wireless LINK devices to safely measure:**

- Boiler & Heat Pump flow & return temperatures
- Commercial premises IAQ, airflow & humidity
- Room CO tests - up to 4 simultaneously
- 100% H2 appliances when required
- HVO appliances when required

**Measures**

- O2 0-21%
- CO2 0-9999ppm
- CO 0-10,000ppm H2 compensation
- NO 0-600ppm (option)
- Differential temperature -20 - +1350°C - with suitable probes
- Differential pressure -80 - +80mBar
- Air flow 1.1 – 20m/s with optional KANE-DTHA2
- Temperature -20 - +50°C with optional KANE-DTHA2
- RH 0.1 – 99% with optional LINK KANE-DTHA2
- Room CO 0-999ppm with optional KANE79 CO monitor

**Calculates**

- CO2 flue gas
- Excess air
- NOx (option)
- CO / CO2 ratio
- Combustion efficiency

**Fuel Types**

- Natural Gas
- Butane
- LPG
- Light oil
- Wood pellets
- Propane

**KANE5SP**

KANE CARE 5 Year Service Plan

See page 33 for more details



**Features**

- Structured tests as KANE458s plus:
- Room migration timed test for CO & CO2 with ambient CO2 sensor
- Appliance timed sweep test for CO & CO2 with ambient CO2 sensor
- Tests Type C sealed appliances, Type B boiler open flue & Type A cooker, space & water heaters
- Data hold, log & print reports with user details to optional KANE-IRP3 printer
- Wireless transfer to KANE LIVE or 3rd party apps
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



**KANE458s IAQ sensor option:**

NO sensor 0-600ppm

**KANE LINK™ options:**

KANE-HUB2 KIT	2 KANE-WPCP wireless temp clamp probes & KANE-HUB case	
KANE-DTHA2	Wireless anemometer LINK airflow, temp & RH	
KANE79	Wireless LINK CO monitor - connect up to 4	

See KANE LINK devices on pages 17

**KANE LINK™ options**



**KANE-HUB2 KIT**

- Wireless LINK temp clamp probes - connect as a pair



**KANE-DTHA2**

- Wireless LINK airflow, temp & RH



**KANE79**

- Wireless LINK CO monitor to 999ppm - connect up to 4



## 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 let by, tightness & flue draught tests
- New boiler 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 KANE458s & KANE460 HVACR KIT



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

### KANE4605SP

KANE CARE 5 Year Service Plan

See page 33 for more details





# NO CABLES, NO MANIFOLD, NO HOSES & NO 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

## KANE460 HVACR KIT



- KANE460 HVACR kit supplied with CP2 combustion probe, KANE-DTHA2 anemometer & 20128 extender, KANE-HUB4 kit (2 WPCP wireless temperature clamp probes & 2 WPP wireless pass through pressure probes), 2 psi pressure sensor & hose, CU12VDC2A21 charger, MSC00017 handset pouch, KANE-IRP3 Infra-red printer & 20106 backpack



## KANE460 sensor & KANE LINK™ options

NO 0-5,000ppm	
KANE-DTHA2 wireless anemometer	
KANE79 wireless room CO monitor	
KANE-WPCP2 2 wireless temp clamp probe	
KANE-WPP2 2 wireless pressure probes	

See KANE LINK devices on pages 17

# Room CO & Ventilation

Use with or without KANE LINK analysers



KANE79 is for ambient testing only  
DO NOT place in flue gas or warm air streams



**KANE UKAS option**



## KANE79

Wireless Ambient CO Monitor & Logger

- Measure 0 – 999ppm CO to 1 ppm resolution
- Test rooms, workplaces & vehicles for CO
- Visual & audible alert
- Leave behind logger - test up to 2 weeks up to 20,000 logs
- Simple set up & transfer via KANE LIVE app
- Optional stand & carry bag p/n: CPS1
- Connect to KANE LIVE app or KANE LINK™ analyser
- 100M line of sight range

### Alarm Levels

0 to 9 ppm	
10 to 19 ppm	
≥20 ppm	

## CPS1



WHO AQG limits exposure: <4ppm CO over 24 hours, <9ppm over 8 hours & <30ppm over 1 hour

## KANE-DTHA2

KANE-DTHA2 Wireless Airflow, Temperature, & Humidity Anemometer

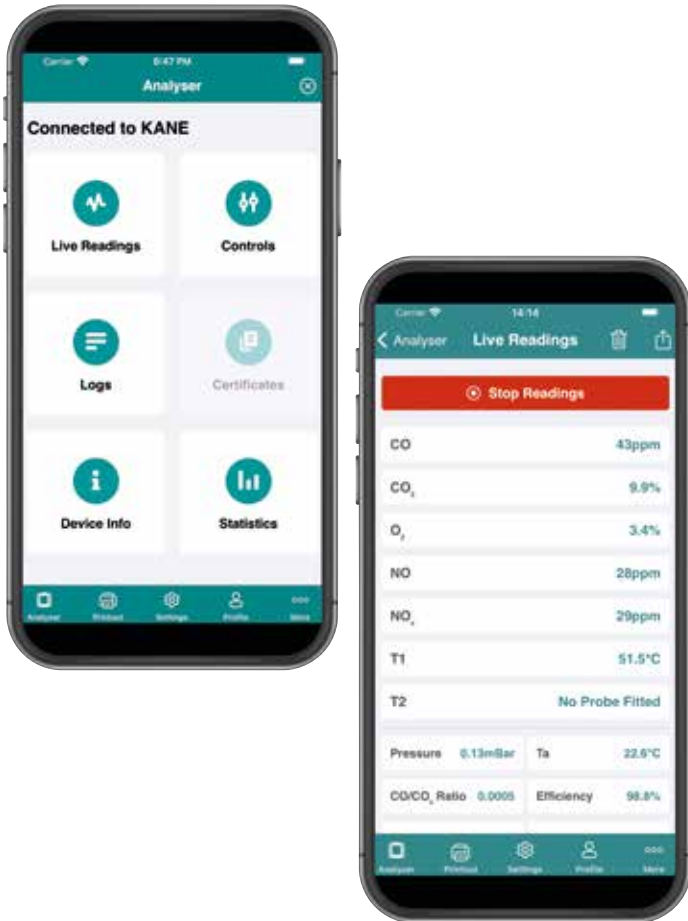
### Features

- Wirelessly measure airflow, temperature & humidity
- See real time results on your KANE FGA
- Test A/C units & kitchen extraction fans
- Calculate outlet volume flow with dimensions & geometry
- Instant On technology
- Airflow: 1.1 to 20 m/s;  
Temp: -20 to +50 C; RH: 0.1 to 99%
- Optional extender probe - p/n: 20128
- Connect to KANE-DTHA2 app or KANE LINK™ analyser



# KANE LIVE APP

See, save & share tests



Connect & control:

**Wireless enabled KANE Analysers**  
**KANE79 CO Monitor & Logger**  
**KANE-DPM Differential Pressure Meter**

- See, save & share tests
- Start, stop & share KANE79 CO logs
- Perform let by & tightness tests with KANE-DPM
- Download tests to save & share
- Generate PDF reports & certificates\*
- Add company & user profiles
- Send test results in CSV for spreadsheets
- GPS tag 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

KANE analysers require wireless module - if unsure, contact us

## KANE Analysers approved for use with

### Gas Checker

[www.gaschecker.co.uk](http://www.gaschecker.co.uk)



### HHiC - Benchmark App

[www.benchmark.org.uk](http://www.benchmark.org.uk)



### GES - Gas Engineer Software

[www.gasengineersoftware.co.uk](http://www.gasengineersoftware.co.uk)



### Master Gas

[www.mastergas.co.uk](http://www.mastergas.co.uk)



**IMPORTANT!** KANE analysers must have a wireless module fitted  
If unsure or to upgrade your analyser, contact us with your model & serial number

The Smart Way to test Heat Pumps, A/C & Refrigeration

## KANE-HUB APP



Connect & control your KANE HUB probes

- See, save & share tests
- Measure system pressures & temperatures
- Calculate superheat & subcool
- Check duct temperature & humidity
- Test vacuum with dual mode vacuum screen
- Evacuation target display & rise limit test
- Display in microns, Pa, mmHg & mBar
- Display rate of change & water saturation point



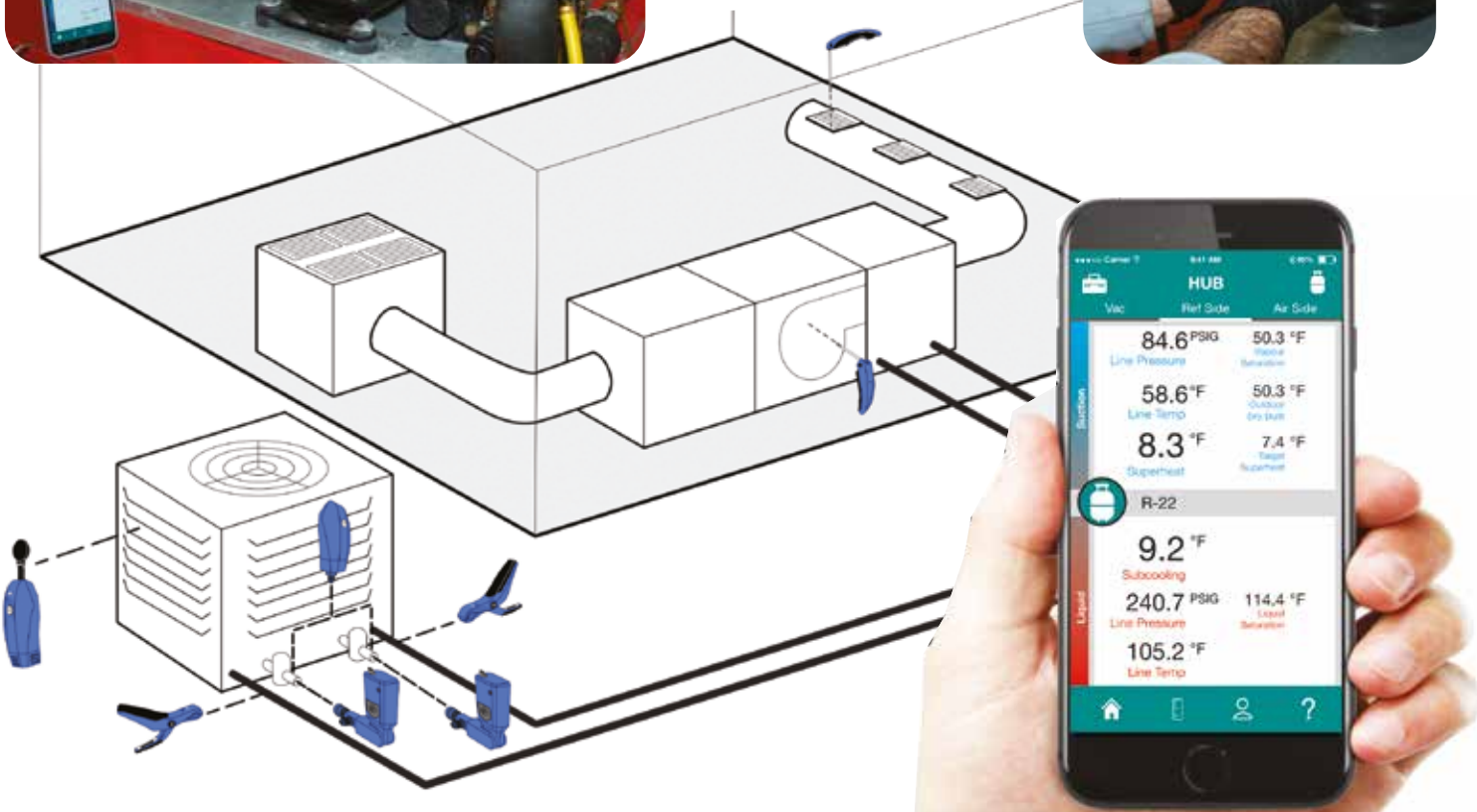
Vacuum Screen



Refrigeration Screen



Air Side Screen



## The Smart Way to test Heat Pumps, A/C & Refrigeration

### KANE-WPCP2



2 Wireless Pipe Clamp  
Temperature Probes

- Wirelessly measure & display system temps including:
  - Flow & return
  - Boiler commissioning test
  - Monobloc Heat Pumps
- Connect to KANE-HUB app or KANE LINK™ analyser
- Work in tight spaces for pipe diameters up to 38mm
- Range: 0 - 80°C
- 100m line of sight range



### KANE-WPCP



1 Wireless Pipe Clamp  
Temperature Probe

### KANE-WPP2



2 Wireless Pressure Probes

- Wireless pass through pressure probes for heat pump, A/C & refrigeration system pressure tests
- Calculate system superheat & subcool
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100m line of sight range



### KANE-WPP



1 Wireless Pressure Probe

### KANE-WHP2



2 Wireless Hygrometer Probes

In App temperature split & psychrometric calculations

- Slimmest 6mm (1/4") hygrometer probe means smaller drill holes
- Temp range: 0° to 60°C (32° to 140°F), accuracy ± 0.3 °C (±0.5°F)
- Relative Humidity: 0 to 100% (0.1% resolution, ±3% accuracy from 20 to 80% ±5% otherwise)
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100m line of sight range



### KANE-WHP

- 1 Wireless hygrometer probe with magnets, 2 AA batteries

The Smart Way to test Heat Pumps, A/C & Refrigeration

## KANE-WOT2



### Outdoor Temperature Sensor

#### Applications

- Test Heat Pump, A/C & Refrigeration Condensor temperatures
- Target Heat Pump, A/C & Refrigeration Superheat & Subcool

#### Measures

- Temperature range 0° to 82°C (32° to 180°F)

#### Features

- Outdoor air temperature measurements for target superheat calculation
- Magnetic hanger
- 2 positions for hands free use - Condensor side or top
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100M line of sight range



Outdoor air temperature measurement

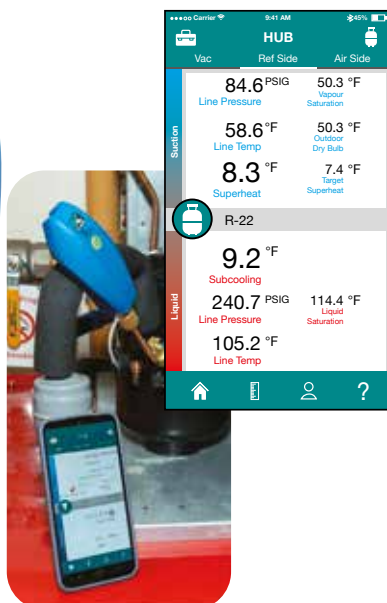
## KANE-WOT2

- Wireless outside temperature probe, magnetic hanger, 2 AA batteries



## KANE-WVG2

- Wireless vacuum gauge probe, 45° coupler, 2 AA batteries



	Vac	Ref Side	Air Side
Line Pressure	84.6 PSIG	50.3 °F Vapour Saturation	
Line Temp	58.6 °F	50.3 °F Oil/Drop Dry Bulb	
Superheat	8.3 °F	7.4 °F Target Superheat	
R-22			
Subcooling	9.2 °F		
Line Pressure	240.7 PSIG	114.4 °F Liquid Saturation	
Line Temp	105.2 °F		

## KANE-WVG2



### Wireless Vacuum Gauge

#### Applications

- Test heat pump, A/C & refrigeration system evacuation
- Ensure moisture & non condensate removal

#### Measures

- Vacuum range: 20,000 microns
- 700 psi maximum over range

#### Features

- 45° coupler & nickel plated male flare fitting
- Oil contamination warning & sensor failure detection
- Magnetic hanger
- Connect to KANE-HUB app or KANE LINK™ analyser
- 100M line of sight range



**10**  
YEAR  
WARRANTY

**20**  
YEAR  
ALL INCLUSIVE

### KANE-HUB Wireless Probe Kits



#### KANE-HUB2 KIT

- 2 KANE-WPCP wireless temperature pipe clamp probes
- Test Heat Pump flow & return
- Also use with KANE LINK™ Analysers



#### KANE-HUB4 KIT

- As KANE-HUB2 plus 2 KANE-WPP pass through pressure probes
- Test AC & Refrigeration Pressures & Temperatures
- Also use with KANE460 Analyser



#### KANE-HUB6 KIT

- As KANE-HUB4 plus KANE-WVG2 vacuum gauge & KANE-WOT2 outdoor condenser temperature probe
- Target AC & Refrigeration Superheat & Subcool & test system evacuation
- Also use with KANE460 Analyser



#### KANE-HUB8 KIT

- As KANE-HUB6 plus 2 KANE-WHP duct temp & RH probes
- All AC & Refrigeration Duct system parameters
- Also use with KANE460 Analyser

# Pressure Meters & Tightness Testers



Contents: Pressure meter supplied with HARHOSE pressure hose, rubber sleeve & hard carry case MSC00238



KANE Asset Manager (KAM)  
- Fastest way to manage recertification with FREE postage

## KANE3500

High Accuracy Differential Pressure Meters with temperature compensation & test results data transfer

### Description

- Measure flue draft & gas / air ratio valves on high efficiency boilers
- Test Smart Meter integrity after installation
- Automatic Tightness Testing on KANE3500-1 & KANE3500-2
- Print test results with user details to optional printer
- Wireless data transfer - now standard

### Features

- 5 versions available - see table for specifications
- KANE3500-1 Resolution to 0.1 pascal / 0.001 mbar
- Temperature compensated for superior accuracy
- Switchable between high & low resolution
- Switchable between:  
mbar, Pa, hPa, kPa, mmHg, mmH<sub>2</sub>O, inH<sub>2</sub>O & PSI
- Data hold & max / min recording
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

## KANE3500

KANE3500-1	Range ± 1 psi / 80 mbar	
KANE3500-2	Range ± 2 psi / 160 mbar	
KANE3500-5	Range ± 5 psi / 400 mbar	
KANE3500-15	Range ± 15 psi / 1040 mbar	
KANE3500-30	Range ± 30 psi / 2070 mbar	





# KANE-DPM

## Differential Pressure Meter

- Measure Appliance Gas & Draught Pressures
- Use KANE LIVE app for let by & tightness tests
- Test Ductwork Air Pressure & Filter Performance

### Features

- Measures positive & negative pressures to +150 mbar
- Temperature compensated for accuracy
- Easy to read large backlit display
- Wireless data transfer
- One hand & hands free use
- Protective rubber sleeve
- 1 year warranty
- 10 year warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back

Contents:  
Supplied with HARHOSE, 3  
AAA batteries & MSC00238  
protective case



Tightness testing

# PRD2

## Pressure Relief Device



### Description

- When completing a tightness test the PRD2 lets you bleed off any excess gas pressure

# KANE-IRP3

## Infra-red printer

- Supplied with USB1 charger

```

LOG          01
TIME 15:55 12/05/21
.....
Let-by Test
PRS_1 mbar  10.15
PRS_2 mbar  10.10
Let-by Mins  1.00
.....
Tightness Test
PRS_3 mbar  20.17
PRS_4 mbar  20.12
ΔPRS mbar   0.05
STABIL'N Mins 1:00
TIGHTN'S Mins 2:00
Customer
.....
Appliance
.....
Ref.
.....
    
```

Produce print outs using  
optional printer KANE-IRP3  
Infra-Red Printer



# Combustible & Refrigerant Gas Leak Detectors

## KANE-EGD

Combustible Gas Leak Detector

- EGD detects combustible gas leaks from:
  - 20ppm Hydrogen
  - 50ppm Methane & Propane

### Gases Detected

Acetone	Gasoline/Petrol	Naphtha
Alcohol	Hydrogen	Natural Gas
Ammonia	Industrial Solvents	Propane
Benzene	Jet Fuel	Thinners
Butane	Lacquer	Toluene
Ethylene	Methane	

### Features

- Flexible goose neck probe
- Solid state semi conductor sensor
- Detection levels <50ppm methane
- Indicators - audible tic rate & visual multi-coloured LEDs
- Tip light

Supplied with carry case  
PN: MSC00239



Visual 3 colour LED indication

## KANE-RGD

Refrigerant Gas Leak Detector

- RGD detects refrigerant gas leaks of:
  - CFC, HFC, HCFC, R11, R22, R134a etc

### Features

- Flexible goose neck probe
- Solid state semi conductor sensor
- Detection levels 10g / year based on R134a
- Indicators - audible tic rate & visual multi-coloured LEDs
- Tip light

Supplied with carry case  
PN: MSC00239



## KANE-GLD

Combustible Gas Leak Detector

### Applications

- Pin-point small combustible gas leaks

**Gases Detected - same as KANE-EGD**

### Features

- Flexible shaft 180mm long
- Solid state semi conductor sensor
- Audible & visual indicators
- >50ppm methane detection limit



Leak detectors do not measure gas levels



# Personal Protection



## KANE78

iD Safe™ Personal CO Alarm & ID Holder

### Features




- 2 in 1 CO alarm & ID badge holder
- Protects you from high CO levels wherever you are
- Displays your ID badge
- Audible & visual alarm over 20ppm CO
- 2 years "fit & forget" life
- Supplied with lanyard


### Alarm Levels

In accordance with EH40/2005 (Fourth Edition 2020)

Alarm LED     Alarm trigger point CO >20ppm

Battery LED     Replace iD Safe™

Activity LED    iD Safe™ is active

KANE78 is a personal CO alarm - Once activated, it operates for up to 2 years if alarm doesn't activate  **Audible alarm ≥ 75db**



# Ambient CO2 IAQ tester

## KANE-CO2

Indoor Air Quality (IAQ) Carbon Dioxide Monitor

### Application

- Monitors CO2 concentration, relative humidity & temperature

### Measures

- Ambient CO2 0-5000ppm
- Relative humidity RH 5-95%
- Temperature 0°C to 90°C / 32°F to 195°F



### Features

- Large display & touch button operation
- Low drift CO2 NDIR sensor with long lifespan
- Audible & visible alarm
- Chart with variable time zoom levels
- CO2 / RH / Temperature monitor tracer
- Auto-calibration on power on & manual calibration
- Max / min value display in real time
- Supplied with USB cable & manual

**Health & Safety Executive (HSE) report CO2 monitors help identify poor ventilation increasing risk of COVID Aerosol transmission**

# Thermal Imaging

## KANE-TCAM

Thermal Imaging Camera

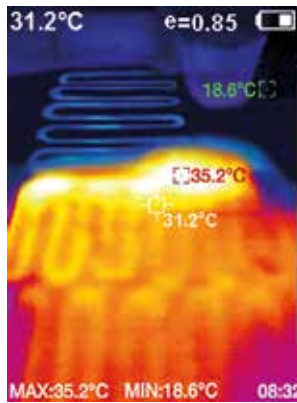
**Combines surface temperature measurement & real-time thermal imaging - See the unseeable!**

Ideal problem solver for:

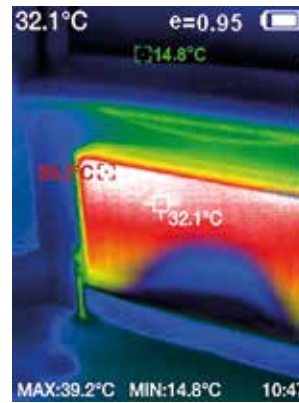
- **Plumbing** & Heating
  - Radiators, underfloor heating, energy auditing or water damage
- Automotive
  - Heated seats & windows, high resistance in wiring, overheating wiring or components

**Features:**

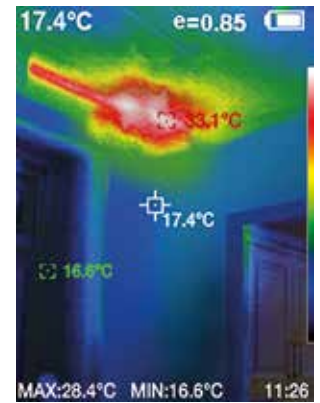
- Large colour display & on-screen cursor
  - Accurately locate temperature hotspots
- 3GB SD Card Data storage
  - Store up to 20,000 images that can be extracted through USB
- Rechargeable battery
  - 3 hours during normal operation
- Temperature -20 - +300°C
- Four types of surface measurement modes:
  - Coarse surface
  - Semi-matte surface
  - Semi-shiny surface
  - Shiny surface



Underfloor heating

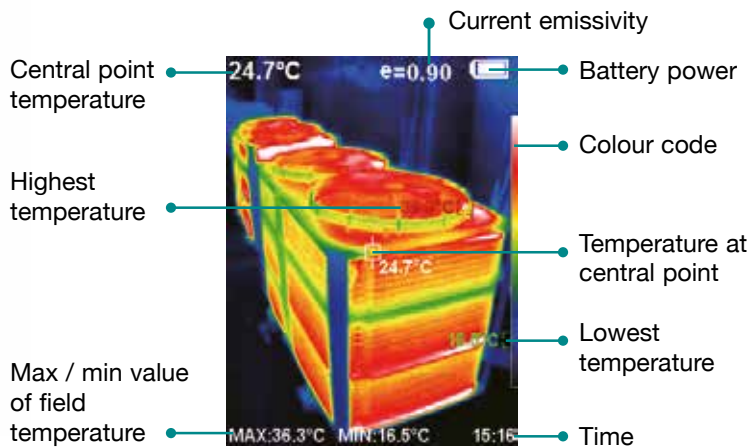


Blocked radiators



Invisible leaks

**Display Screen 2.8 inch full view TFT display**



Supplied with USB charger & hard carry case MSC00237

# Temperature

## KANE-DT2

Digital Differential Thermometer

- Confirm Boiler, Heat Pump & ACR System Performance
- Prevent Legionella & Skin Burns

### Applications

- Test boiler & heat pump flow & return, A/C & refrigeration systems
- Check cold water inlet & hot water outlet temperatures

### Features:

- Measures -200°C to +1370°C
- 2 channels measures temperature separately, together & their differential
- Use K, J, T, E, R & S type probes
- See Max, Min & Average temperatures
- Freeze tests with Data hold function
- Store up to 9,999 tests
- Easy to read large backlit display
- One hand & hands free use
- Protective rubber sleeve
- Supplied with 2 K Type wire probes, 3 AA batteries & protective pouch
- 1 year warranty

### Stop Legionella

Avoid Legionella risk - Keep cold water below 20 °C & hot water above 60 °C, circulated above 50 °C.

Employers with hot & cold water or wet cooling systems must identify & prevent contamination risks - see HSE Approved Code of Practice [www.hse.gov.uk/legionnaires](http://www.hse.gov.uk/legionnaires)

### Prevent Burns

HSE & NHS guidelines state space heater surface temperatures should be below 43 °C to remove burn risks - e.g: thermal storage heaters, oil-filled or conventional radiators



## KANE-DT2 H&V KIT

Heating & Ventilation kit includes:

- KANE-DT2** Digital Thermometer
- 2 **KWA1** Wrap Around Pipe Temperature Probes
- 1 **KAL1** Air Liquid Temperature Probe
- 1 **KSP1** Surface Temperature Probe
- 1 **KFT** Flexible Temperature Probe
- Protective Carry Case



## KANE-INF165C

Infra-Red Thermometer

### Description

- Easy, comfortable non-contact temperature testing

### Measures

- Temperature -60 to +550°C  
-76 to +1022°F

### Features

- Circular laser targeting
- Distance to spot ratio 12:1
- Fixed emissivity 0.95
- Max value capture
- Auto off



## Thermometers & Temperature Probes

### KPCP



Pipe clamp probe  
Measures -40 to +150°C  
Jaw dia. up to 50mm

### KAL1

Air / liquid & chisel probe  
-50 to +500°C



### KSP1

Light duty surface probe -50 to +500°C



### KSP2

Heavy duty surface probe -50 to +500°C



### KWA1

Wrap around pipe probe  
Measures -40 to +150°C



# Safe Isolation & Electrical Testers

For full specifications visit [www.kane.co.uk](http://www.kane.co.uk)



## Safe Isolation Testing

See TB118 & 'Electricity at works regulations 1989' for more information



### KANE-VCT KIT

Voltage & Continuity Tester with 690 volt AC Proving Unit

KANE-VCT KIT combines 2 great products & pouch:  
KANE-VCT & KANE-PU690V  
(also available separately)

#### KANE-VCT KIT Contents:

- KANE-VCT Voltage Tester
- KANE-PU690V Proving Unit
- Kit Carry Pouch
- Batteries



### KANE-VCT

Voltage & Continuity Tester



#### Features

- KANE Voltage & Continuity Tester with LED & digital voltage indication 12 - 690V AC/DC
- Includes Single Pole Detection & meets BS 61243-3:2014 GS38



### KANE-PU690V

690v AC Proving Unit



#### Features

- Compact voltage proving unit
- Safely check voltage testers before using on live circuits

### KANE-DL469

AC 400A TRMS Clamp Meter

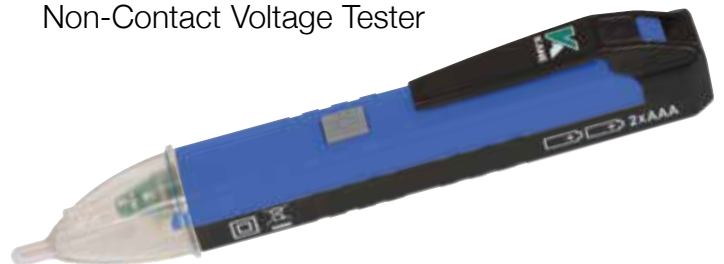
#### Features

- True RMS
- 400A AC
- 750V AC / 600V DC
- Resistance 40MΩ
- DC Microamps 2000μA
- Diode test
- Non-contact voltage detection



### KANE-NCV3

Non-Contact Voltage Tester



#### Features

- 24 to 1000V AC detection
- High / Low voltage detection
- Visual LED alert
- Audible alert
- Worklight
- Magnetic mount
- Auto power off
- Low battery warning

## KANE UKAS ISO 17025 Calibration Certificates

### KANE UKAS certificates deliver peace of mind

- ★ Your analyser tested in our UKAS test centre
- ★ Your analyser tested to the highest standard
- ★ Your analyser tested in the most controlled environment
- ★ Your analyser tested by the best equipment
- ★ Your analyser suitable for legal submission

### KANE UKAS Applications

- Room CO migration tests
- CO poisoning incident investigations
- Combustion plant in strictly controlled facilities
- Customers wanting best accuracy confirmation



UKAS is the only authority accrediting UK laboratories -  
KANE is the only analyser manufacturer accredited to ISO 17025.

KANE UKAS guarantees the best possible calibration certificate to the highest degree of accuracy.

KANE UKAS certificates are recognised worldwide, suitable for legal submission.

Order when you buy or organise KANE CARE -  
KANE UKAS certificates are fixed price and add 1 day to delivery.



# Flue Gas & Appliance Probes



Combustion probes for standard temperature flue gases 600°C / 1112°F

Please see [www.kane.co.uk](http://www.kane.co.uk) for high temperature flue gas probes up to 1250°C / 2282°F

	<p>ASP3 KIT</p>	<ul style="list-style-type: none"> <li>• Appliance sampling probe kit - grills, gas fires &amp; general purpose</li> <li>• 5mm diameter</li> <li>• 2.2m flexible tube</li> <li>• Separate handle &amp; hose assembly</li> </ul>	
	<p>CP2</p>	<ul style="list-style-type: none"> <li>• 240mm probe</li> <li>• 6mm diameter</li> <li>• 2m neoprene hose</li> </ul>	
	<p>CP2S</p>	<ul style="list-style-type: none"> <li>• 100mm probe</li> <li>• 6mm diameter</li> <li>• 1.5m neoprene hose</li> </ul>	
	<p>CP2T</p>	<ul style="list-style-type: none"> <li>• 240mm probe</li> <li>• 6mm diameter</li> <li>• 4m neoprene hose</li> <li>• For KANE958, 975 &amp; 988</li> </ul>	
	<p>CP30</p>	<ul style="list-style-type: none"> <li>• 240mm combined flue gas &amp; pressure probe</li> <li>• 6mm diameter</li> <li>• 2m neoprene hose</li> </ul>	
	<p>CP35</p>	<ul style="list-style-type: none"> <li>• 300mm flexible probe</li> <li>• 8mm diameter</li> <li>• 2m neoprene hose</li> </ul>	
	<p>CP71</p>	<ul style="list-style-type: none"> <li>• 240mm probe</li> <li>• 6mm diameter</li> <li>• 0.9m neoprene hose</li> </ul>	
	<p>17320</p>	<ul style="list-style-type: none"> <li>• 6mm diameter depth stop cone</li> </ul>	
	<p>4290/2</p>	<ul style="list-style-type: none"> <li>• 8mm diameter depth stop cone</li> </ul>	
	<p>SM50472</p>	<ul style="list-style-type: none"> <li>• 10mm diameter depth stop cone for CP35</li> </ul>	
	<p>CPS1</p>	<ul style="list-style-type: none"> <li>• Combustion probe stand</li> <li>• 2.1m max height</li> </ul>	







# Consumables & Spare Parts

Please see [www.kane.co.uk](http://www.kane.co.uk) for more options

	<b>KANE-IRP3</b> KANE Infra-Red Printer	
	<b>KANE-MSP</b> KANE Smoke Test Kit	
	<b>18121</b> Oil gauge kit	
	<b>SP9</b> Smoke papers & chart (for use with smoke probe options)	
	<b>PRD2</b> Pressure Relief Device	





## Batteries Chargers & Power Leads

	<b>USB1</b> USB charger for KANE258, 358, 458s, 958, AQA & KANE-EGA1, 2, 3	
	<b>CU12VDC2A21</b> Charger for KANE460, 975 & 988 / 988+	
	<b>CA10733/4</b> In vehicle charger for KANE460, 975 & 988 / 988+	
	<b>B15</b> 4x 2000 mAh rechargeable batteries. Note: battery make may differ	


## Carry Cases

	<b>14102/2</b> Large carry bag	
	<b>20106</b> Backpack	
	<b>MSC00237</b> Hard carry case for KANE-TCAM & KANE258, 358, 458s & 458s IAQ	
	<b>MSC00238</b> Hard carry case for KANE3500, KANE-DPM & KANE-DT2	
	<b>MSC00239</b> Hard carry case for KANE-EGD & RGD	
	<b>KANE-HUB CASE</b> Case for KANE-HUB probes	


## Filters

	<b>PF400/5</b> - 5 particle filters for all handheld FGA & AQA except KANE460, 975 & 988 / 988+	
	<b>PF2/10</b> - 10 particle filters for AF2, KANE460, 975 & 988 / 988+	
	<b>WSF1/5</b> - 5 water stop filters for KANE458s & 958	
	<b>WSF2/10</b> - 10 water stop filters for KANE460, 975 & 988 / 988+	



## Paper & Ribbons

	<b>TP5</b> - 5 thermal paper rolls for KANE-IRP1, 2 & 3	
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## Probe Connectors

	<b>SM11103</b> Black pressure probe connector - also gas probe connector for old shape handheld FGAs	
	<b>SM14980</b> Red gas probe connector for KANE new shape FGAs including KANE460, 975, 988 / 988+ & KANE-AQA	



## Water Traps

	<b>SM50515</b> Water trap for KANE258, 358, 458s, 958, AQA & EGA1, 2 & 3	
	<b>SM50675</b> Watertrap for KANE460, 975 & 988 / 988+	

## Extender Stick

	<b>20128</b> Extender stick for KANE-DTHA2	
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## Boiler Magnet & Hooks

	<b>SM51061</b> Hanging hook for KANE460, 975 & 988 / 988+	
	<b>SM50932</b> Boiler magnet for KANE460, 975 & 988 / 988+	



## 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
- ★ 20 Year all inclusive pricing includes accessory repair or replacement as required
- ★ Free next day tracked delivery to KANE & 9am next day return & Saturday
- ★ Theft protection - 50% off when replacing your stolen KANE analyser

KANE CARE applies to any KANE Analyser Service & Recertification

booked online via [www.kane.co.uk](http://www.kane.co.uk) & [www.kanetest.ie](http://www.kanetest.ie) - some exclusions apply

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



## KANE CARE 5 Year Service Plan

Our 5 year KANE CARE service plan for your standard configuration analyser 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)
- ★ Annual UKAS Calibration Certificate option

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

T&Cs apply



### KANE CARE 5 Year Service Plan Options

KANE5SP - KANE258, 358 & 458s	
KANE5SP with UKAS certificates	
KANE4605SP - KANE458s IAQ & 460 with std sensors	
KANE4605SP with UKAS certificates	



# UK & Ireland Same Day Despatch KANE CARE Service & Recertification



Register your analyser on  
[www.kane.co.uk](http://www.kane.co.uk) or  
[www.kanetest.ie](http://www.kanetest.ie)



Book & pay to Service & Recertify  
via your dashboard

Select FREEPOST for tracked  
carriage - UK & Ireland mainland only



Your analyser despatched same day we  
receive it...  
**OR YOUR MONEY BACK\***

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



**KANE**  
★★★★★  
**CARE**

**10**  
**YEAR**  
WARRANTY

RECERTIFY  
SAME DAY  
DESPATCH

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



**KANE**  
**HVACR**

A/C

bar °C|F

CO

# WE'VE GOT YOUR BACK



Distributed by:



## Customer Service



**0800 059 0800**  
**+44 1707 375550**  
[www.kane.co.uk](http://www.kane.co.uk)  
Email: [sales@kane.co.uk](mailto:sales@kane.co.uk)



**1800 852 937**  
[www.kanetest.ie](http://www.kanetest.ie)

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