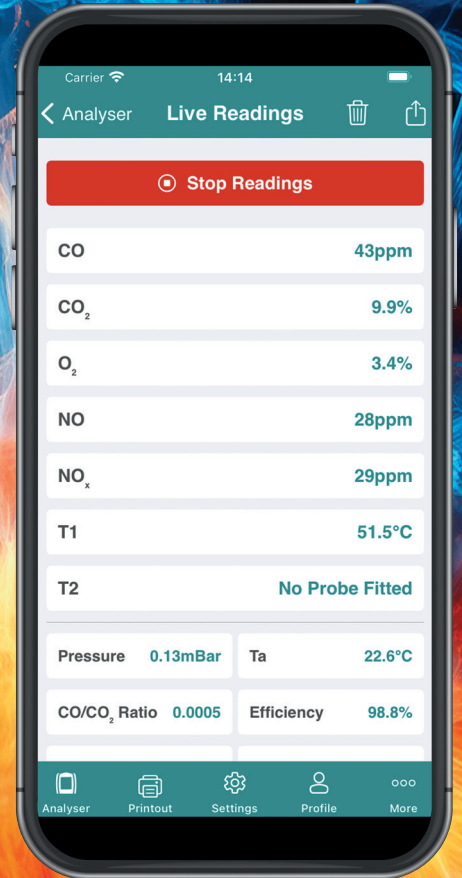
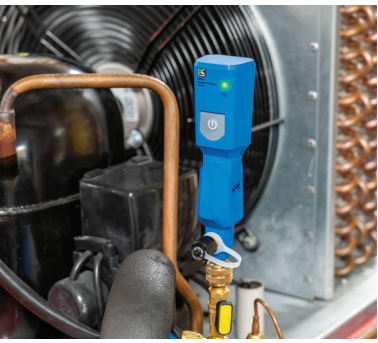




Essential instruments

KANE978



Boiler, Heat Pump,
A/C & Refrigeration Analyser



TEST BOILERS, HEAT PUMPS, A/C & REFRIGERATION & IAQ



KANE978

- Supplied with pressure hose, CHSP5 probe, 6 rechargeable batteries, CU12VDC2A21 charger & MSC00117 protective pouch
- KANE978 Kit options - As KANE958 + HVACR KIT



KANE978



Boiler, Heat Pump, A/C & Refrigeration Analyser

- Test any size Heating & Hot Water System
- O2, CO to 10,000ppm with H2 compensation
- Option to measure 4 gases - NO, NO2, SO2 & H2S
- Long term semi continuous monitoring option - contact for details
- Commission boilers, heat pumps, A/C & refrigeration systems - No manifold & hoses required
- **KANE LINK™** wireless measurements
- 2 psi / 160 mbar pressure sensor for flue draught, system & tightness tests
- Hydrophobic water trap stops vapour damage
- See, save & send tests to KANE LIVE app
- Fast & easy operation with large colour graphic display & rugged, compact design

Applications

- Test gas, oil & biomass appliances
- 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



- Lifetime warranty for analyser & accessories
- Lifetime promise to repair or replace your analyser & accessories as required
- KANE CARE price includes probe, batteries, charger, bag & printer
- Free tracked delivery both ways
- Same day service & recertification or your money back
- UKAS ISO 17025 fixed price certificate option
- 50% off new analyser if stolen

KANE CARE terms & conditions apply - see www.kane.co.uk



EN50379

T&Cs apply



KANE4605SP

KANE CARE 5 Year Service Plan

more info at:

www.kane.co.uk/service-plan



NO CABLES, NO MANIFOLD, NO HOSES & NO LEAKS

Measures

- O₂ 0-21%
- CO 0-10,000ppm H₂ compensated with over range protection
- Option to measure 4 extra gases
- Temperature - inlet / flue gas / differential / ambient
- High accuracy differential pressure meter +/- 160mbar

Calculates

- CO₂ - 0-99%
- Excess air
- NO_x if NO sensor fitted
- A/C & Refrigeration subcool & superheat
- CO/CO₂ 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



Industrial Boiler Analysis



Gas Engine Testing

HVACR KIT



- Supplied with KANE-HUB4 KIT (2x WPCP & 2x WPP), 1x DTHA2 & 1x 20128 extender, 2 psi pressure sensor & hose, CU12VDC2A21 charger & MSC00017 handset pouch



KANE978 sensor, accessory & LINK options

Sensor options - up to 4

NO 0-5,000ppm	
NO ₂ 0-1,000ppm**	
SO ₂ 0-5,000ppm**	
H ₂ S 0-200ppm	
CHSP5 285mm high temp probe	
CHSMP5 600mm high temp probe	
CHSLP5 1M high temp probe	
KMCE10 10M flue gas & temp hose extension	
KANE-DTHA2 wireless anemometer	
KANE79 wireless room CO monitor	
KANE-WPCP2 2 wireless temp clamp probe	
KANE-WPP2 2 wireless pressure probes	

KANE978 Specifications

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature Measurement			
Flue Temperature	0 - 1250°C / 32 - 2282°F	0.1°C / 32.182°F	±0.5°C / 32.9°F
Inlet temperature (Internal Sensor)	0 - 50°C / 32 - 122°F	0.1°C / 32.182°F	±1°C / 33.8°F
Inlet temperature (External Sensor)	0 - 600°C / 32 - 1112°F	0.1°C / 32.182°F	±0.5°C / 32.9°F
Flue Gas Measurement			
Oxygen	0 - 25%	0.01%	±0.3% Volume
Carbon Monoxide H2 compensated	0 - 10,000ppm	1ppm	±5ppm < 100ppm +20ppm <400ppm ±5% >400ppm – 2000ppm +10% >2000ppm – 10,000ppm
Nitric Oxide (optional)	0 - 5000ppm	1ppm	±5ppm < 100ppm +5% >100ppm
Nitrogen Dioxide (optional)	0 - 1000ppm	1ppm	±5ppm<100ppm ±10%>500ppm
Sulphur Dioxide (optional)	0 - 5000ppm	1ppm	±5ppm<100ppm ±5%>100ppm
Carbon Dioxide NDIR	0 - 20%	0.1%	±0.3% reading
Hydrocarbon NDIR	0 - 5000ppm Over-range: 10,000ppm	1ppm	+/- 5% of reading or +/- 12ppm volume
Pressure measurement			
Pressure (Differential)	±160mbar / 64.29 In Wg	0.1mbar / 0.04 In Wg	±0.5% FSD
Velocity:	0-30m/s	1m/s	±0.5% FSD
Calculations			
CO/CO2 Ratio	0 - 0.9999	0.0001	±5% of reading
Efficiency (Net or Gross)	0 - 99.9%	0.10%	±1% of reading
Efficiency High (C)	0 - 119.9%	0.10%	±1% of reading
Excess Air	0 - 119.9%	0.10%	±0.2% of reading
Pre-programmed Fuels			
UK, USA & France	Natural Gas, Propane, Butane, LPG, Light Oil, Digester Gas & Wood Pellets		
European	Natural Gas, Light Oil, Bio Oil, Coke, LPG, Wood, Town Gas, Butane & Propane		
Battery Life	>5 hours (continuous with pump on)		
Certification	KANE978 is independently tested & certified to EN 50379, Parts 1-2 in accordance to 1st German Federal Emission Control. Ordinance (Bim5chV) Pending		
Operating Conditions & Physical Characteristics			
Temperatures // Humidity	0 - 50°C / 32 - 122°F // 15 to 90% RH, (non-condensing)		
Power Supply // Weight / Dim	Rechargeable batteries, 12v DC @ 2A Charging // Approx. 1.2kg / L: 240 x H: 165 x W: 65mm		

Customer Service



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Email: sales@kane.co.uk



1800 852 937
www.kanetest.ie

www.kane.eu www.kaneint.com

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