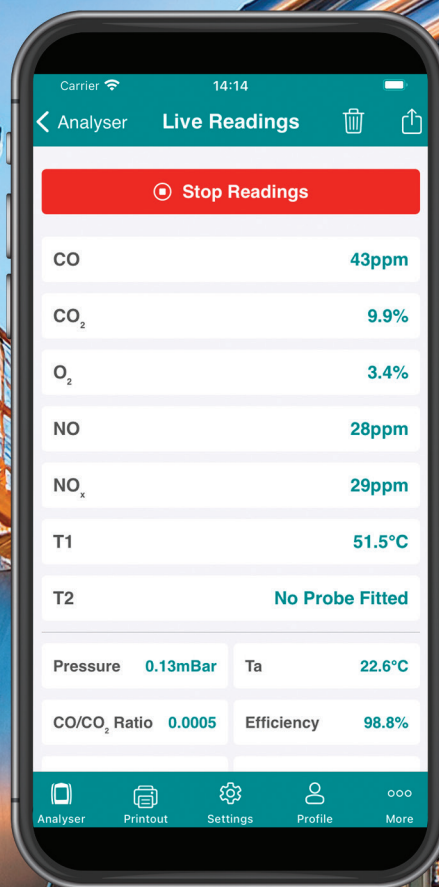




Essential instruments

KANE988



Industrial Boiler, Heat Pump,
A/C & Refrigeration Analyser



EN50379



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



KANE988

- Industrial Boiler & HVACR analyser supplied with pressure hose, SM50056 high capacity water trap & filter, CHSP5 probes, CU12VDCA21 battery charger, MSC00117 protective pouch & 20106 backpack

KANE988



Industrial Boiler, Heat Pump, A/C & Refrigeration Analyser with KANE LINK™

- Double headed pump tests any size boiler
- O₂, CO₂ & CO to 10,000ppm with H₂ compensation & 10%, HC to 5000ppm
- 4 toxic gases option
- Long term semi continuous monitoring option - contact for details
- Automatic let by, tightness & flue draught tests
- KANE LINK wireless measurement & future proof promise
- Large graphic display & memory
- SEE, SAVE & SEND - KANE LINK™ transfer tests to KANE LIVE app

Applications

- Any size boiler & heat pump
- Combustion performance, efficiency & emissions
- Semi continuous commissioning, tune up & pollution monitoring
- Air conditioning & refrigeration superheat & subcool - no manifold or hoses required
- IAQ - Room CO migration, temperature, RH & airflow



- 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



Gas Engine Testing



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



EN50379

NO CABLES, MANIFOLD, HOSES OR REFRIGERANT LEAKS

Measures (Standard Kit)

- O₂ 0-21%
- CO₂ 0-20%
- CO 0-10,000ppm H₂ compensated & 10%
- HC 0-5000ppm
- Option to measure 4 extra gases
- Differential temperature -50 to +1200°C
- Differential pressure +/- 160mbar

Calculates

- CO/CO₂ ratio
- Combustion efficiency
- Superheat & Subcool
- Excess air
- NO_x option

Fuel Types

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

Features

- High capacity water trap & particle filter
- Lifetime Warranty under KANE CARE Service & Recertification - our promise to never let you down or your money back



Industrial Boiler Analysis

Optional extra:

KANE-GCU

Gas conditioner for accurate NO₂, SO₂ & H₂S measurements



KANE988 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	

Probe & accessory options

CHSP5 285mm high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
CHSMP5 600mm high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
CHSLP5 1m high temperature PTFE lined smoke probe with removeable shaft & 4m neoprene hose	
KANE-WOT2 Wireless outside temperature probe	
KANE-WVG2 Wireless vacuum gauge probe & 45° coupler	
KMCE10 10m hose & thermocouple extension	
KANE-GCU** Gas conditioning unit	
KANE-IRP3 Printer	

KANE LINK options

KANE-WPCP2 Wireless LINK temp clamp probes - connect as a pair	
KANE-WPP2 Wireless LINK pass through pressure probes - connect as a pair	
KANE-DTHA2 Wireless LINK airflow, temp & RH	
KANE79 Wireless LINK CO monitor to 999ppm - connect up to 4	

KANE988 Specifications

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature & Pressure Measurement			
Flue Temperature	-50 - 1200°C / -58 - 12192°F With suitable probe	0.1°C / 32.18°F	±0.1°C / 32.18°F ±0.3% reading
Inlet temperature	0 - 50°C / 32 - 122°F	0.1°C / 32.18°F	±0.1°C / 32.18°F ±0.3% reading
Pressure (Differential)	±150mbar / 60.27 In Wg	0.1mbar / 0.04 In Wg	±0.5% FSD full scale
Flue Gas Measurement *1			
Oxygen	0 - 25%	0.1%	±0.3% Volume
Carbon Monoxide (H2 Compensated)	0 - 10000ppm 10000 - 20000ppm	1ppm	±5ppm<100ppm ±5%>400ppm - 2000ppm ±10%>2000ppm
Carbon Monoxide High Range NDIR	0 -10%	0.1%	±5% or reading from 0.1% to 10%
Hydrogen Sulphide (optional)	0 - 200ppm	1ppm	±5ppm<100ppm ±5%>100ppm
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
Calculations *2			
Losses	0 - 99.9%	0.1%	±1.0% reading
Poison Index	0 - 99.99	0.1%	±0.01
Carbon Dioxide	0 - 20%	0.1%	±0.3% Volume
CO/CO2 Ratio	0 - 0.9999	0.0001	±5% of reading
Efficiency (Net or Gross)	0 - 99.9%	0.1%	±1% of reading
Efficiency High (C)	0 - 119.9%	0.1%	±1% of reading
Excess Air	0 - 119.9%	0.1%	±0.2% of reading
Pre-programmed Fuels			
UK	Natural Gas, Kinsale Gas, Natural Gas L, Town Gas, Gas Cor, Propane, LPG, Butane, Light Oil, Digester Gas, Heavy Oil, Coal, Anthracite, Wood Pellets, Coke, 5x User defined fuels		
Battery Life	>6 hours from full charge		
Certification	KANE988 is independently tested and certified to EN50379 parts 1-3		
Operating Conditions & Physical Characteristics			
Temperatures // Humidity	0 - 45°C / 32 - 113°F 15 to 90% RH, (non-condensing)		
Ambient Operating Range	-5°C to +50°C / 23 - 122°F 10% to 90% RH non condensing		
Power Supply (battery charger)	Input: 110Vac/220 Vac nominal Output: 12 VDC off load		
Weight / Dimensions	Approx. 1.2kg / L: 240mm x H: 165mm x W: 65mm		

*1 Using dry gases at STP *2 Calculated

KANE CARE Service & Recertification

KANE CARE - Outstanding Service or Your Money Back - forever

- ★ **Lifetime Warranty with annual Service & Recertification**
- ★ **Lifetime all included pricing**
- ★ **Includes accessory repair or replacement as required including probe, charger, carry bag & printer**
- ★ **Free tracked return**
- ★ **Full test certificate & repair report**



KANE CARE applies to any KANE Analyser Service & Recertification booked & quote confirmed by KANE - some exclusions apply

more info at: www.kane.co.uk/service-and-re-certification

or email sales@kane.co.uk, sales@kane.eu or sales@kaneint.com

KANE CARE 5 Year Service Plan

Our 5 year KANE CARE service plan - all KANE CARE benefits 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**
- ★ **Annual ISO 17025 UKAS Calibration Certificate option**

more info at: www.kane.co.uk/service-plan

T&Cs apply

KANE CARE 5 Year Service Plan Options*

KANE5SP - KANE258, 358, 458s, COA & LCA	
KANE5SP with UKAS certificates	
KANE4605SP - KANE458s IAQ, 460, CMD, IIA & 958 std sensors	
KANE4605SP with UKAS certificates	

7 & 10 year Service Plans available - call for details

*Standard configuration analyser





ESSENTIAL INSTRUMENTS OUTSTANDING SERVICE LIFETIME WARRANTY



WE'VE GOT YOUR BACK

Distributed by:



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