



KANE988

Industrial Boiler & HVACR analyser with

protection to 10,000pm & 10%, HC to 5000pm, differential temperature, 2 psi sensor & water stop filter Supplied with pressure hose, CHSP5 probe, U12VDCS21 battery charger, MSC00117 protective pouch & 20106 backpack















Independently tested by TUV SUD to EN50379

KANE988 INT

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

- As KANE958 plus:
- Double headed pump tests any size boiler
- O2, CO2 & CO to 10,000pm with H2 compensation & 10%, HC to 5000ppm
- 4 toxic gases option
- Commission & test air conditioning & refrigeration systems - no manifold or hoses required
- Structured let by, tightness & flue draught tests
- **KANE** ← LINK_™ wireless measurement & future proof promise
- Large graphic display & memory
- SEE, SAVE & SEND KANE COD LINK ... transfers tests to KANE LIVE app

Applications

- All boilers & heat pumps
- Combustion performance, efficiency & emissions
- Boiler & heat pump temperature flow & return
- Air conditioning & refrigeration system superheat & subcool
- IAQ Room CO migration, temperature, RH & airflow



Industrial Boiler Analysis



World 1st - Test Boilers, Heat Pumps, A/C & Refrigeration

KANE-DTHA2

connect up to 4

KANE79

Wireless LINK airflow, temp & RH

Wireless LINK CO monitor to 999ppm -

Measures (Standard Kit)

- O2 0-21%
- CO2 0-20%
- CO 0-10,000ppm H2 compensated & 100,000ppm
- HC 0-5000ppm
- Option to measure 4 extra gases
- Differential temperature -20 to +135°C
- Differential pressure +/- 160mbar

Calculates

- CO/CO₂ ratio
- Combustion efficiency
- Lambda / AFR 0.8-1.2
- Excess air
- NOx (option)
- Superheat & Subcool

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

- Automatic sensor stability & filter check
- 10 year warranty under KANE CARE Service & Recertification - our promise to never let you down or your money back





Gas Engine Testing

KANE988 sensor, accessory & LINK options

Sensor options - up to 4	
NO 0-5,000ppm	
NO2 0-1,000ppm**	
SO2 0-5,000ppm**	
H2S 0-200ppm	
Probe & accessory options	
CHSP5 285mm 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	
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	



systems & IAQ - No cables, manifold, hoses or refrigerant leaks

Specifications

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature Measurement			
Flue Temperature	0 - 600°C	0.1°C	±0.5°C
Inlet temperature (Internal Sensor)	0 - 50°C	0.1°C	±1°C
Inlet temperature (External Sensor)	0 - 600°C	0.1°C	±0.5°C

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
Carbon Monoxide High Range	0 - 10%	0.01%	±5% of reading
Nitric Oxide (optional)	0 - 5000ppm	1ppm	±5ppm < 100ppm +5% >100ppm
Nitrogen Dioxide (optional)	0 - 1000ppm	1ppm	±5ppm < 100ppm +5% >100ppm
Sulphur Dioxide (optional)	0 - 5000ppm	1ppm	±5ppm < 100ppm +5% >100ppm
Hydrogen Sulphide (optional)	0 - 200ppm	1ppm	±5ppm < 100ppm +5% >100ppm
Carbon Dioxide	0 - 40%	0.10%	±5% of reading
Hydrocarbons	0 - 5000ppm	1ppm	±5% of reading

Pressure measurement			
Pressure (Differential)	±160mbar	0.1mbar	±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	The KANE988 is independently tested & certified to EN 50379, Parts 1-2 in accordance to 1st German Federal Emission Control Ordinance (Bim5chV) Pending

Operating Conditions		
Temperatures	0 - 50°C	
Humidity	15 to 90% RH, (non-condensing)	
Power Supply	Rechargeable batteries, 12v DC @ 2A Charging	

Physical Characteristics		
Weight	Approx. 1.2kg	
Dimensions	L: 240mm x H: 165mm x W: 65mm	

Optional extra:

KANE-GCU

KANE-GCU Gas conditioning unit

Features

- Gas conditioning unit for KANE958 & 988
- Enables accurate NO2, SO2 & H2S measurements compatible with MCERTS (approval pending)
- Peltier chiller stops water condensate absorbing gas sample
- Supplied with KMCH 285mm High Temp 8mm dia probe, KMCE 10M hose & thermocouple extension & GCU1 power supply with 3M lead & EU, UK & USA adaptors



MSC00235

Hose & thermocouple extension lead for KANE-GCU



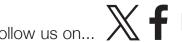
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