



KANE988

- Gas analyser supplied with CP2T combustion probe, CU12VDCA21 charger, 20106 backpack, MSC00017 handset pouch, 2 psi pressure sensor & pressure hose



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



KANE988



KANE988 Industrial 9 Gas Analyser



Optional extra:

KANE-GCU
Gas conditioning unit



KANE988 Industrial 9 Gas Analyser

- Test boilers with stack draught over 50mbar with high suction pump
- Unique 5 gas sensor technology
O₂ 0-21%, CO 0-10,000ppm H₂ compensated, CO 0-10%, HC 0-5,000ppm & CO₂ 0-20%
- Option for 4 toxic sensors
- Large keypad & graphic colour display
- MCERTS (pending) compatible with optional KANE-GCU gas conditioning unit for NO₂ & SO₂
- Optional KANE LINK™ enabled devices

Applications

- Install, commission & service large oil, gas or biomass appliances - optional emissions sensors for local regulations
- Accurate NO₂ & SO₂ measurements with optional KANE-GCU gas conditioning unit
- Safety checks
- CO in a room or around an appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue draught

Measures (Standard Kit)

- O₂ 0-21%
- CO 0-10,000ppm
- H₂ compensated
- Temperature - inlet / flue gas / differential / ambient
- CO 0-10%
- CO₂ 0-21%
- HC 0-5,000ppm
- High accuracy differential pressure

Calculates (Standard Kit)

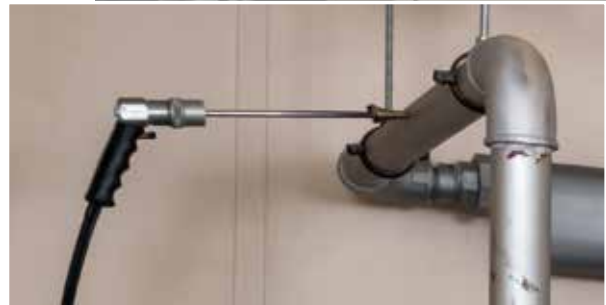
- CO₂ - 0-99%
- Excess air
- NO_x (if NO sensor fitted)
- CO/CO₂ ratio
- Combustion efficiency

Fuel Types

- Natural Gas (x2)
- Wood Pellets
- Kinsale Gas
- Heavy oil / 35 sec
- LPG
- Coal
- Town Gas
- Bio Gas
- Gascor
- Propane
- User fuel (x5)
- Anthracite
- LPG
- Butane
- Coke
- Light oil / 28 sec

Features

- Supplied with CP2T Teflon lined flue probe
- View, log & store up to 8,000 test results to transfer to KANE LIVE app, PC or optional KANE-IRP3 printer
- Long life battery recharged in situ
- 10 year "no quibble" warranty when serviced & recertified by KANE
- Backed by KANE CARE - We promise to never let you down or your money back



Gas Engine Testing with optional CHSP5 probe

KANE988 optional sensors - add up to 4

NO 0-5,000ppm

NO₂ 0-1,000ppm*

SO₂ 0-5,000ppm*

H₂S 0-200ppm

KANE988 Probes & Accessories

CHSP5	285mm high temperature smoke PTFE lined probe with removable shaft 4m neoprene hose
CHSLP5	1m professional high temperature smoke probe PTFE lined with removable shaft & 4m neoprene hose
KMCE10	10m hose & thermocouple extension
KANE-GCU*	Gas conditioning unit

* Use KANE-GCU to measure NO₂ & SO₂



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%	0.1%	±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 - 20%	0.10%	±5% of reading
Hydrocarbons	0 - 5000ppm	1ppm	±5% of reading

Pressure measurement			
Pressure (Differential)	±160mbar	0.1mbar	±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 - 45°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



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