



# Residential/Commercial Combustion Analyzer

KANE458S

## Residential/Commercial Combustion Analyzer



### Functions

- Measures: CO (10,000ppm H2 Compensated), CO2, Differential Pressure, Flue and Inlet Temperature
- Calculates: Differential Temperature, Efficiency (Net, Gross), Excess Air

### Features

- LINK to wireless probes
- Wireless Flow and Return Probes
- NOx filtered & H2 Compensated CO sensor (10,000ppm range)
- Over-range protection pump
- NOx filtered CO sensor
- Low Flow Detection
- Compatible with DTHA2
- Room CO test
- Differential Pressure
- Heat Exchanger test
- Protective water trap
- Wireless connection to a Free KANE Printer App (iOS® and Android™ Compatible)
- Up to 6 year warranty with annual recertification

### Includes

- Rechargeable batteries 3 (AA)
- USB Charging cable (WIR00067)
- Quick Start Guide



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### Specifications

#### TEMPERATURE MEASUREMENT

Parameter	Range	Resolution	Accuracy
Flue temperature	32° to 1112°F (0° to 600°C)	0.1°F	+3.6°F +0.3% rdg
Inlet temperature (internal sensor)	32° to 112°F (0° to 50°C)	0.1°F	+1.8°C +0.3% rdg
Inlet temperature (external sensor)	32° to 1112°F (0° to 600°C)	0.1°F	+3.6°F +0.3% rdg

#### FLUE GAS

Parameter	Range	Resolution	Accuracy
Oxygen	0 to 21%	0.1%	+0.3%
Carbon Monoxide	0 to 100ppm	1ppm	±5ppm
	100 to 400ppm		±20ppm
	400 to 2,000ppm		±5%
	2,000 to 9,999ppm		±10%
	Above 10,000ppm purge pump operates		Unspecified
Carbon Dioxide	0 to 20%	0.1%	0.3% volume
Efficiency (Net or Gross)	0 to 99.9%	0.1%	+1.0% rdg
Efficiency High (C)	0 to 119.9%	0.1%	+1.0% rdg
Excess Air	0 to 250%	0.1%	+0.2% rdg
CO/CO2 ratio	0 to 0.999%	0.0001	+5% rdg

#### PRESSURE (DIFFERENTIAL)

Parameter	Range	Resolution	Accuracy
Normal range ±80mbar maximum over range without damage is ±400mbar	±32"WC (+80mbar)	Maximum 0.001" WC <9.999" WC 0.001" WC >10.00" WC (0.001mbar <24.99mbar) (0.1mbar >25mbar)	±0.0002" WC (±0.005mbar)
±0.4" WC (±1mbar)			±0.01" WC (±0.03mbar)
±32"WC (±80mbar)			+3.6°F +0.3% rdg

PRE-PROGRAMMED FUELS	Natural Gas, Propane, Butane, LPG, Light Oils (28/35sec), Wood Pellets, Town Gas, Coke Gas, Gio Oil, Bio Gas
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STORAGE CAPACITY	30 tests
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KANE458s



Made in  
UNITED KINGDOM

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Made in  
UNITED KINGDOM

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Made in  
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