



## Customize Your Analyzer To Your Industrial Job!



BACKED BY  
**UEI**  
SERVICE+

UP TO  
**10**  
YEAR  
WARRANTY

**48** HR  
SERVICE

**ups**  
FREE  
SHIPPING  
ON ANNUAL SERVICE

### Functions

- Measures: O<sub>2</sub> (21%), CO 10,000ppm (H<sub>2</sub> compensated & 100,000ppm/10%), Temperature (Inlet, flue, differential, ambient, flow and return Differential pressure (High accuracy ±160mBar).
- Calculates: efficiency, excess air, CO/CO<sub>2</sub> ratio, losses, Poison Index (Pi), and airflow Pitot tube, and Nitrogen Oxides (NO<sub>x</sub> pending sensors installed)

### Features

- Backed by UEI Service+
- Up to 10-Year warranty with annual recertification
- **LINK** optional wireless probes (See back for optional probes)
- NO<sub>x</sub> filtered & H<sub>2</sub> Compensated CO sensor
- Low Flow Detection to protect reading accuracy
- Large graphic color display
- Protective water trap with water stop filter using hydrophobic technology to stop water vapor
- Wireless connection to a Free Printer App (iOS® and Android™ Compatible)
- 2200 memory positions
- Protective Boot with built-in magnet and hand grip
- 15 pre-programmed fuels
- 5 User defined fuels

### Includes

- Flue Probe - High Temperature PTFE (CP2T)
- Rechargeable Batteries, 3 (AA)
- Charger
- Pressure Hose
- Handset carrying pouch
- UEI Tool Backpack (AC550)
- Manual



LINK to optional wireless probes.





## Applications

- Install, commission & service any heating & hot water system using any fossil, biomass & HVO fuel
- Optional environmental sensors test to local regulations
- Accurate NO<sub>2</sub> & SO<sub>2</sub> measurements with optional KANE-GCU gas conditioning unit
- Safety checks - CO in rooms & around appliances
- Combustion performance & efficiency tests
- Flue draft & gas pressure / system tightness tests
- Flow & return, air flow & air quality tests

## KANE988 Analyzer Standard Configuration

- CO (Carbon Monoxide) H<sub>2</sub> 0-10,000ppm Sensor
- O<sub>2</sub> (Oxygen) 0-21% Sensor
- CO<sub>2</sub> (Carbon Dioxide) 0-20% Sensor
- CO (Carbon Monoxide) 10% H<sub>2</sub> 100,000ppm Sensor
- Pressure Sensors, 2 Psi

## Choose Your Additional Sensors

- Add any combination of up to 4 toxic sensors:
- Additional sensor combination ordering info:

Stock Code	UPC	NO 0-5,000 ppm Nitric Oxide Sensor	NO <sub>2</sub> 0-200 ppm Nitric Dioxide Sensor	SO <sub>2</sub> 0-5000 ppm Sulfur Dioxide Sensor	H <sub>2</sub> S 0-200 ppm Hydrogen Sulfide Sensor
KANE988	053533900231				
KANE988N	053533900408	•			
KANE988N2	053533900415		•		
KANE988S	053533900422			•	
KANE988H	053533900439				•
KANE988NN2	053533900446	•	•		
KANE988NS	053533900453	•		•	
KANE988NH	053533900460	•			•
KANE988N2S	053533900477		•	•	
KANE988N2H	053533900477		•		•
KANE988SH	053533900491			•	•
KANE988NN2S	053533900507	•	•	•	
KANE988NN2H	053533900514	•	•		•
KANE988NSH	053533900521	•		•	•
KANE988N2SH	053533900538		•	•	•
KANE988NN2SH	053533900545	•	•	•	•

## Optional Accessories

- **Infrared Thermal Wireless Printer (IRP2)** - To print permanent records for your customers
- **Smoke Pump Tester (SPT1)** - For gas and oil fired appliances
- **Wireless KANE LINK™ Pipe Clamp Temp Probes (WPC2K)** - Measure boiler supply and return water temperatures conveniently (2)
- **Wireless KANE LINK™ Air Flow Psychrometer (DTHA2)** - Measure airflow, humidity, dew point, wet & dry bulb, volumetric flow readings.



## Specifications

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature Measurement			
Flue & Inlet Temperature External sensor	-50 - 1200°C	0.1°C	±0.1°C ±0.3% reading
Inlet Temperature Internal sensor	0-50°C	0.1°C	±1°C ±0.3% reading
Flue Gas Measurement			
Oxygen, O <sub>2</sub>	0 - 25%	0.1%	±0.3% Volume
Carbon Monoxide, CO H <sub>2</sub> Compensated	0 - 10,000ppm 10,000 - 100,000ppm	1ppm	±5ppm < 100ppm ±5% > 400ppm - 2,000ppm ±10% > 2,000ppm - 10,000ppm
Carbon Monoxide, High Range NDIR	0 - 10%	0.1%	±5% or reading from 0.1% to 10%
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
Nitric Oxide, NO (optional)	0 - 5000ppm	1ppm	±5ppm < 100ppm 5% > 100ppm
Nitrogen Dioxide, NO <sub>2</sub> (optional)	0 - 1000ppm	1ppm	±5ppm < 100ppm 5% > 100ppm
Sulphur Dioxide, SO <sub>2</sub> (optional)	0 - 5000ppm	1ppm	±5ppm < 100ppm ±5% > 100ppm
Hydrogen Sulphide, H <sub>2</sub> S (optional)	0 - 200ppm	1ppm	±5ppm < 100ppm ±5% > 100ppm
Pressure Measurement			
Pressure (Differential)	±160mbar	0.1mbar	±0.5% Full scale displayed
Calculations			
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/CO <sub>2</sub> 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	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		

**KANE988**



Made in  
UNITED KINGDOM





**UEi**  
**SERVICE+**

***We've Got You Covered!***

***Complete Care for your Combustion Analyzer***



UP TO  
**10**  
YEAR  
WARRANTY



**10 Year Warranty:** All UEi combustion analyzers have a standard 1-year warranty. Each recertification extends the warranty for 1 more year for up to **10 years** from the date of purchase.

*Contractors who book recertification of a C160 series analyzer at [www.ueitest.com/service](http://www.ueitest.com/service) within 12 months from either the date of purchase or the date of the last recertification will receive reduced service pricing that lowers the cost of ownership and 2 additional benefits:*

**2-Day Service:** All qualifying KANE988 analyzers received for recertification through UEi Service+ are returned in 2 business days due to the toxic gas sensors. So, if we receive your analyzer Monday, our commitment is to ship it back Wednesday.

**Free Shipping:** UEi Service+ offers free shipping both to and from our service center. When customers book their recertification, they receive a prepaid UPS Ground shipping label.

***That's UEi Service+!***

***See Details at [www.ueitest.com/service](http://www.ueitest.com/service)***

**UEi**  
**NIST+**

Our ISO/IEC 17025:2017 certified service center in Indianapolis provides NIST Certification and ISO Accredited Certification services by factory-trained professionals.

Details at [www.ueitest.com/NIST](http://www.ueitest.com/NIST)