

# **Residential/Commercial Combustion Analyzer w/ Nitric Oxide Sensor**



BACKED BY  
**UEi**  
**SERVICE+**

**10**  
YEAR  
WARRANTY

**8**  
HR  
SERVICE

## **Functions**

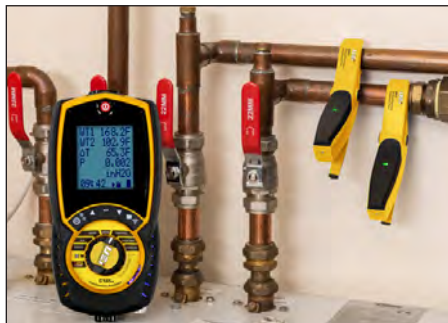
- Measures: NO, CO (10,000ppm H2 Compensated), CO2, Differential Pressure, Flue and Inlet Temperature
- Calculates: Differential Temperature, Efficiency (Net, Gross), Excess Air

## **Features**

- Backed by UEi Service+
- Up to 10-Year warranty with annual recertification
- 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 to protect reading accuracy
- Compatible with DTHA2
- Room CO test
- Differential Pressure
- Heat Exchanger test
- Protective water trap
- Wireless connection to a Free Printer App (iOS® and Android™ Compatible)



LINK to wireless Flow and Return pipe clamp probes.



## **Includes**

- Flue Probe (CP2)
- Rechargeable Batteries, 3 (AA)
- USB Charging Cable (AACA5)
- Wireless Pipe Clamp Probes, 2 (WPC2)
- Tubing w/ connector (11000)
- K-Type Thermocouples, 2 (ATT29)
- Carrying Case (AC509)
- Particle Filter (spare) (17631)
- Quick Start Guide

See reverse side kit options.

## Specifications

### TEMPERATURE MEASUREMENT

Parameter	Range	Resolution	Accuracy
Flue temperature	32° to 1112°F	0.1°F	±(0.3% rdg +3.6°F (2°C))
Inlet temperature (internal sensor)	32° to 112°F	0.1°F	+1.8°C +0.3% rdg
Inlet temperature (external sensor)	32° to 1112°F	0.1°F	+3.6°F +0.3% rdg

### FLUE GAS

Parameter	Range	Resolution	Accuracy
Oxygen*2	0 to 21%	0.1%	+0.3% Volume
Carbon Monoxide*1	0 to 2000ppm	1ppm	±3ppm or ±5% of rdg
	2000 to 9999ppm		±10% of rdg
	2000 to 9999ppm		Unspecified
Carbon Dioxide	0 to 20%	0.1%	0.3% rdg
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
Excess Air	0 to 250%	0.1%	+0.2% rdg
Nitric Oxide Sensor (optional)	0 to 100ppm	1ppm	+ 2ppm <30ppm*1 +5ppm <100ppm*1
	Overrange to 1500ppm		+5% reading >100ppm

### PRESSURE (DIFFERENTIAL)

Parameter	Range	Resolution	Accuracy
Pressure (Differential)	±80mbar	0.1mbar	±0.5% FSD
<b>PRE-PROGRAMMED FUELS</b>	NAT GAS, H OIL, PELLLETS, L OIL, LPG, BUTANE, PROPANE		
<b>USER PROGRAMMED FUELS</b>	5 User defined fuels		
<b>STORAGE CAPACITY</b>	30 tests		

\*1 Using dry gases at STP

\*2 Calculated

C165+N Available Kits Options	C165+N	C165+NKIT	C165+NOIL	C165+NOILKIT
UPC #	053533509175	053533509205	053533509199	053533509229
Analyzer / flue probe	•	•	•	•
Batteries / USB charging cable	•	•	•	•
Quick start guide	•	•	•	•
Hard case	•	•	•	•
2 K-type thermocouples / spare particle filter	•	•	•	•
Pressure tubing	•	•	•	•
2 Wireless pipe clamp probes	•	•	•	•
IR thermal printer w/ spare paper roll		•		•
Smoke pump test kit			•	•
Particle Filter (spare) (17631)			•	•