



# Residential/Commercial Combustion Analyzer for Oil-Fired Appliances



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

**10**  
YEAR  
WARRANTY

**SAME**  
**DAY**  
**SERVICE**  
**GUARANTEED**

**ups**  
**FREE**  
**SHIPPING**

## Functions

- Measures: CO, CO2, Differential Pressure, Flue and Inlet Temperature
- Calculates: Differential Temperature, Efficiency (Net, Gross), Excess Air
- Kit Measures: Flue Gas Smoke to see if it is within normal range

## Features

- Backed by UEi Service+
- Up to 10-Year warranty with annual recertification
- LINK to wireless probes
- Flow and Return Probes
- 4 types of sensor protection
- NOx filtered & H2 Compensated CO sensor (10,000ppm range)
- Over-range protection pump
- Low Flow Detection to protect reading accuracy
- Compatible with DTHA2
- Wireless connection to a Free Printer App (iOS® and Android™ Compatible)
- Room CO test
- Differential Pressure
- Heat Exchange test
- Protective water trap

## 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)
- Smoke Pump Test Kit (SPT1)
- Particle Filter (spare) (17631)
- Carrying Case (AC509)
- Quick Start Guide

See reverse side kit options.



LINK to wireless Flow and Return pipe clamp probes.





## 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	0 to 21%	0.1%	+0.3% Volume
Carbon Monoxide	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

### PRESSURE (DIFFERENTIAL)

Parameter	Range	Resolution	Accuracy
Pressure (Differential)	±80mbar	0.1mbar	±0.5% FSD

**PRE-PROGRAMMED FUELS** Natural Gas, Propane, Butane, LPG, Light Oils (28/35sec), Wood Pellets, Town Gas, Coke Gas, Bio Oil, Bio Gas

**USER PROGRAMMED FUELS** 5 User defined fuels

**STORAGE CAPACITY** 30 tests

## Downloads



**Manual**



**Data Sheet**



Made in UNITED KINGDOM



C165+OIL Available Kits Options	C165+N	C165+NKIT	C165+OIL	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			•	•