

Combustion Analyzer Kit w/ EOS Technology and **High Altitude Compensation**

C165 Kit Options

Combustion Analyzer with EOS co2 Sensor Technology and High Altitude **Compensation**



Functions

- Flue temperature: 32° to 1112°F
- Inlet temperature: Internal sensor 32° to 112°F
- Inlet temperature: External sensor 32° to 1112°F
- 02: 21%
- co: 2000 ppm
- co2: 20%
- Efficiency Net/Gross 99.9%
- Efficiency: Highcalculated 119.9%
- Excess Air: 250%
- CO/CO₂ ratio: 0.999
- Differential pressure

Features

- **EOS Technology**
- Pre-programmed fuels: Natural Gas, Propane, Butane, LPG, Light Oils (28/35 sec), Wood Pellets, Town Gas, Coke Gas, Bio Gas. Bio Fuel
- Memory positions: 30
- 6 line backlit display
- High Altitude compensation
- User customizable parameter
- Individual report printouts
- Real time clock
- 1-Year limited warranty

Includes	C165	C165BTKIT	C165KIT	C1650ILKIT	C165NOKIT	C165NOOILKIT
Analyzer	•	•	•	•	•	•
Stainless Steel Flue Probe	•	•	•	•	•	•
Inlet Tube Connector	•	•	•	•	•	•
Case	•	•	•	•	•	•
Rechargeable Batteries AA (3)	•	•	•	•	•	•
Quick Start Guide	•	•	•	•	•	•
USB Charger/Adapter	•	•	•	•	•	•
K-Type Thermocouples (2)		•	•	•	•	•
Tubing		•	•	•		•
Spare Filter		•	•	•	•	•
Infrared Printer			•	•	•	•
Spare Paper Roll			•	•	•	•
Installed NO sensor					•	•
Smoke Pump Test Kit					•	•
Installed Wireless Module	Optional	•	Optional	Optional	Optional	Optional

Dynamic Warranty

- 1-Year Limited Warranty
- Warranty is extended one year with each annual recertification. up to 6 years











Manual

Data Sheet











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Specifications

TEMPERATURE MEASUREMENT

Parameter	Range	Resolution	Accuracy
Flue temperature	32° to 1112°F	0.1°F	+3.6°F +0.3% rdg
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%
Carbon Monoxide	0 to 20ppm	1ppm	+3ppm +5% rdg
	21 to 2000ppm		
	Above 2000ppm 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
Nominal range ±80mbar maxim over range without damage is ±400mbar	±0.08" WC (+0.2mbar)	Maximum 0.001" WC <9.9999" WC 0.001" WC >10.00" WC (0.001mbar <24.99mbar) (00.1mbar >25mbar)	±0.0002" WC (±0.005mbar)
	±0.4" WC (±1mbar)		±0.01" WC (±0.03mbar)
	±32"WC (±80mbar)		+3.6°F +0.3% rdg

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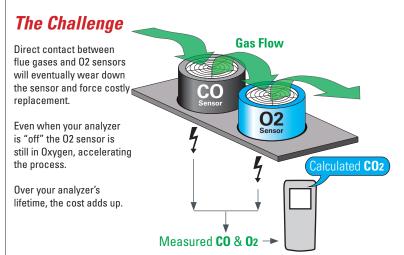
	60 Combustion tests
	20 Pressure & Temperature Tests
STORAGE CAPACITY	20 Heat Exchanger Tests
	20 Temperature Tests
	20 Commissioning Tests

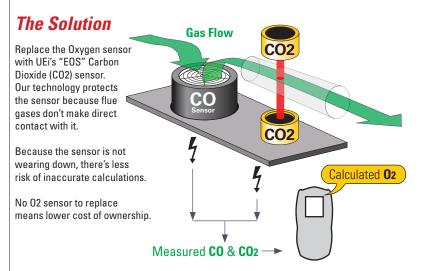
Backed by Industry-Leading Service

- 2-Business day turnaround on standard recertification
- Flat rate pricing
- ISO/IEC Accredited Facilities (Indianapolis and Vancouver B.C.)
- NIST
- · Factory-certified technicians



No 02 Sensor - What it means to you





One Less Sensor to Worry About!