Residential/Commercial Combustion Analyzer w/ Pressure

BACKED BY

UEi
SERVICE+

6 YEAR WARRANTY

-24HR SERVICE

FREE SHIPPING

Functions
- Measures: CO, CO2, Differential Pressure, Flue and Inlet Temperature
- Calculates: Differential Temperature, Efficiency (Net, Gross), Excess Air

Features
- DMM-style user interface
- Over-range protection pump
- NOx Filtered CO Sensor
- Heat Exchanger Test
- Large 6 Line backlit Display
- Water Trap Indicator
- High Altitude Compensation
- Low Flow Detection
- 1-Year limited warranty

Includes
- Rechargeable batteries 3 (AA)
- Probe (CP2)
- USB Charging cable (WIR0067)
- Particle Filter (spare) (17631)
- Tubing w/ connector (11000)
- K-Type Thermocouples ATT29 (2)
- Quick Start Guide (201996)
- Carry case (AC509)

Specifications

TEMPERATURE MEASUREMENT

Parameter	Range	Resolution	Accuracy
Flue Temperature	32˚ to 1112˚F (0˚ to 600˚C)	0.1˚F (0.1˚C)	±(0.3% rdg +3.6˚F (2˚C))
Inlet Temperature (Internal Sensor)	32˚ to 122˚F (0˚ to 50˚C)	0.2˚F (0.1˚C)	±2˚F (1˚C)
Inlet Temperature (External Sensor)	32˚ to 1112˚F (0˚ to 600˚C)	0.2˚ (0.1˚C)	±2˚F (1˚C)

FLUE GAS MEASUREMENT

Parameter	Range	Resolution	Accuracy
Carbon Monoxide	0 to 2000 ppm	1 ppm	±3 ppm or ±5% rdg (whichever is greater)
(Optional H2 Compensated)	2000 to 10000 ppm	1 ppm	±10% rdg
Carbon Dioxide	0 to 20%	0.1%	±0.3% volume

CALCULATIONS

Parameter	Range	Resolution	Accuracy
Oxygen	0 to 21%	0.1%	±0.3% volume
CO/CO$_2$ Ratio	0 - 0.9999	0.0001	±5% rdg
Efficiency (Net or Gross)	0 to 99.9%	0.1%	±1% rdg
Efficiency High (C)	0 - 119.9%	0.1%	±1% rdg
Excess Air	0 to 119.9%	0.1%	±0.2% rdg

PRESSURE (DIFFERENTIAL)

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

Pre- Programmed Fuels	Natural Gas, Propane, LPG, Light Oil, Heavy Oil, Bio Oil, Pellets

Battery Life	>8 hours (continuous with pump on)

Certification	The C161 is TUV-tested and certified to EN 50379, Parts 1-3 in accordance to 1st German Federal Emission Control Ordinance (BimSchV)

Operating Conditions

Temperature	32˚ to 113˚F (0˚ to 45˚C)
Humidity	15% to 90% R.H.

Storage Temperature	0˚ to 113˚F (-18˚ to 50˚C)
Power Supply	Rechargeable Batteries, USB Charging

Downloads

Data Sheet

Manual

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Made in UNITED KINGDOM