Flue Gas Combustion Analyzer
C161

Flue Gas Analyzer with Direct CO_2 Measurement

✔ 6-Line Display
See all your readings on one screen.

✔ EOS Technology
Lower cost-of-ownership over your analyzer's lifetime.

✔ NOx Filtered
Better accuracy, avoids cross contamination.

✔ Water Trap Indication
Alerts you when the water trap is getting full.

✔ High Altitude Compensation
Automatically compensates readings for altitude.

Functions
- Measures: CO, CO_2, Flue and Ambient Temperature
- Calculates: O_2, Efficiency (Net or Gross), Excess Air, CO/CO_2 Ratio and Differential Temperature

Features
- 8 preprogrammed fuels
- IR printer port
- Low flow detection
- Auto-purge at shut down
- Protective rubber boot w/ magnet
- 30 memory positions
- 1-Year limited warranty

Includes
- Flue Gas Combustion Analyzer (C161)
- Flue Probe w/ Cone & Hose (CP2)
- USB Charging Cable
- Quick Start Guide
- 3 AA Rechargeable Batteries

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Made in UNITED KINGDOM

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Specifications

Temperature Measurement

Parameter	Range	Resolution	Accuracy
Flue Temperature	32˚ to 1112˚F (0˚ to 600˚)	0.1˚F (0.1˚C)	±0.5˚F (0.5˚C)
Inlet Temperature (internal Sensor)		0.1˚F (0.1˚C)	±1˚F (1˚C)
Inlet Temperature (External Sensor)	32˚ to 1112˚F (0˚ to 600˚)	0.1˚F (0.1˚C)	±0.5˚F (0.5˚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 H_2 Compensated (if Applicable))	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
Efficiency (Net or Gross)	0 to 99.9%	0.1%	±1% rdg
Efficiency High (C)	0 to 119.9%	0.1%	±1% rdg
Excess Air	0 to 119.9%	0.1%	±0.2% rdg
CO/CO_2 Ratio	0 to 0.9999	0.0001	±5% rdg

Preprogrammed Fuels	Pellets, Light Oil, LPG, Butane, Propane, Natural Gas, Bio Oil, Heavy Oil

Battery Life	>8 hours (continuous with pump on)

Certification	The C160 Series 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.
Power Supply	Rechargeable Batteries, USB Charging

Dimensions

Dimensions	8.54" x 4.18" x 1.86"
Weight	1 lb., 5.1 oz.

EOS ELECTRO-OPTICAL SENSOR TECHNOLOGY™

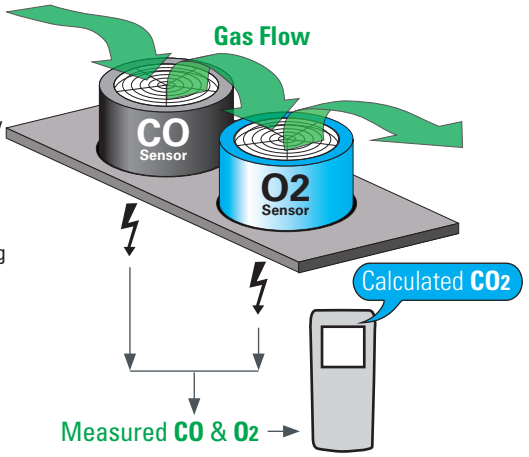
No O2 Sensor What it means to you

The Challenge

Direct contact between flue gases and O2 sensors will eventually wear down the sensor and force costly replacement.

Even when your analyzer is "off" the O2 sensor is still in Oxygen, accelerating the process.

Over your analyzer's lifetime, the cost adds up.

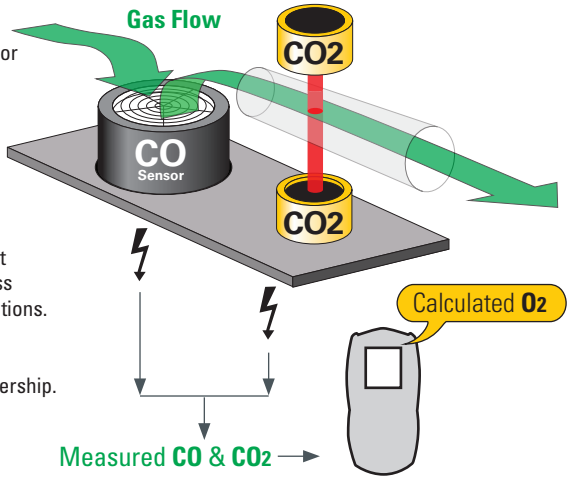


The Solution

Replace the Oxygen sensor with UEi's "EOS" Carbon Dioxide (CO2) sensor. Our technology protects the sensor because flue gases don't make direct contact with it.

Because the sensor is not wearing down, there's less risk of inaccurate calculations.

No O2 sensor to replace means lower cost of ownership.



One Less Sensor to Worry About!

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