



Model 2000 Carbon Monoxide Monitor

Utilizing IR absorption and gas filter correlation technology, the Model 2000 Carbon Monoxide Monitor offered by Cemtek Instruments is ideally suited for most plant applications where low maintenance and rugged design is necessary.

The Model 2000 insures drift-free measurement yet requires no calibration gases to operate. Monitor performance can readily be verified at the plant using a certified test cell containing 100% carbon monoxide. With an integral air purge feature the unit can be protected from hot, dirty gases to maximize reliability and uptime all the while minimizing maintenance.

Normalization of gas output readings to standard measurement conditions including; pressure, temperature and oxygen is achieved via 4-20 mA inputs, the keypad as a direct entry or via a serial communications port if the monitor is part of an integrated system.

Providing ultimate versatility, the Cemtek Model 2000 is equally at home as a combustion monitor on large processes with high particulate loading or in difficult to access duct applications where low maintenance is a requirement.

CROSS DUCT CARBON MONOXIDE MONITOR

KEY FEATURES:

- Drift-free IR absorption technique to measure concentration of CO cross duct up to 10,000 ppm
- Data logging and reporting capabilities
- Ease of use and maintenance with no calibration gas required
- Ideal for stack emissions monitoring or combustion efficiency control



CEMTEK INSTRUMENTS

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PRODUCT SPECIFICATIONS

Range:	Selectable from 0 – 100ppm, 0-10,000ppm, Max range, 6,000ppm.meters
Display Unit:	ppm mg/m ³ (measured) mg/Nm ³ (normalized)
Accuracy:	± 2% of measurement or ± 5ppm whichever is greater
Outputs:	Analog 4-20mA isolated Volt-free contact, 10A @250V Volt-free contact, 10A @ 250V
Path Length:	1.6 to 25 feet (0.5 to 8m)
Flue Gas Temperature:	0 to 1200 °F (0 to 650 °C)
Construction:	Cast aluminum, fully sealed to NEMA4
Ambient Temperature Limits:	0 °F to 160 °F (-20 °C to 70 °C)
Power Requirements:	85-132/170-264V AC, 50/60 Hz, 50VA
Air Purge Consumption:	1 liter/sec @ 1bar (compressed air) 5 liter/sec (blower air)

ORDERING INFORMATION

MODEL 2000 CROSS DUCT CO MONITOR

Choose from the following configurations/options to customize your own Model 2000

Calibration

A = None

B = Calibration Check Cell/Holder

Note: High Pressure Purge Nozzle available (consult factory)

Your Order Code: 2000 __

SERVICE OFFERING

To ensure trouble-free performance and reliability of all Cemtek Instrument products, we offer a comprehensive portfolio of service offerings at fixed cost pricing including; installation, training, support, extended warranty and preventative maintenance.

Visit us at www.cemtekinstruments.com.



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