



Series
450

Carbon Monoxide Monitor

Flashing Beacon, Programmable Alarm, Backlight Display, Data Storage/Retrieval

- **Flashing Beacon** warns that Carbon Monoxide is present
- **Easy to use and calibrate**
- **Ideal for Building Inspectors and Maintenance Supervisors** – Quickly determine if a building meets code

Convenient to use and simple to calibrate, the Series 450 Carbon Monoxide Monitor provides a simple and cost-effective solution for monitoring toxic carbon monoxide gas in ambient air. A beacon of light flashes simultaneously with an audible alarm in correspondence to the level of carbon monoxide concentration detected in the air. Quick air quality checks are easy and hands-free – just walk through a building using the CO Monitor.

The Series 450 Carbon Monoxide Monitor is ideal for industrial and commercial HVAC applications such as furnace and hot water heater inspection, and residential HVAC applications such as chimney, oven, and appliance monitoring. The A-450-4 Aspirator Kit offers an excellent solution for applications involving inspection of confined space locations or monitoring the flue in exhaust stacks.

The battery powered unit measures carbon monoxide levels of 0-2000 parts per million (PPM) and units are housed in an extremely rugged aluminum casing. The sensor maintains a 3% of reading accuracy (see specifications at right) with a response time of less than 30 seconds. Raised key pads allow for simple access to functions such as zeroing and instrument calibration, peak readings, reading storage and backlighting the display for use in dark locations. Accessories are available and listed below to assist in unit calibration (suggested every 4 months).

STOCKED MODELS in bold
Series 450 Carbon Monoxide Monitor

ACCESSORIES

A-450-1 – Calibration Regulator Kit with Series 450 Carbon Monoxide Monitor. Includes case, Series 450 Handheld Carbon Monoxide Monitor, regulator, tubing and A-450-2 Calibration Adapter. For use with 17 liter gas tank. The regulator has a fixed flow rate of 0.5 L/min. If a different Calibration Kit is used, a flow meter is required that can verify setting the flow rate correctly to 0.5 L/min.



A-450-2 – Calibration Adapter.

A-450-3 – Replacement Sensor.

A-450-4 – Aspirator Kit includes aspirator bulb, adapter, tubing and probe.

A-450-5 – Calibration Regulator Kit without Series 450 Carbon Monoxide Monitor (same as A-450-1 except without Series 450 Handheld Carbon Monoxide Monitor).



SPECIFICATIONS

Service: Carbon monoxide detection.

Range: 0-2000 PPM.

Accuracy: (Using 200 PPM calibration gas) $\pm 3\%$ of reading, \pm the accuracy of the calibration gas, at the time of calibration.

Display: 4 digit LCD.

Resolution: 1 PPM.

Response Time: <30 seconds to 90% of reading.

Operating Temperature: 32 to 104°F (0 to 40°C).

Humidity Conditions: 0-90% relative humidity non-condensing.

Power Requirements: 9V Battery.

Sensor Type: Field replaceable electrochemical cell.

Sensor Life: 2 years minimum.

Weight: 11 oz (312 g).

***NOTE:** This instrument is shipped with a new 9V battery. However, there is a protective plastic cap installed on the battery terminals. This cap must be removed and the battery connected to the battery terminal before the instrument will function.

A-402A Carrying Case — Tough gray nylon pouch protects any Series 450 CO Monitor. Double zippered for quick and easy access. With belt loop that snaps closed. 72"H x 3"W x 24"D (191 x 76 x 57 mm)



Combustion
Testing