

Fast Reaction  
Time

**Standalone  
Carbon Monoxide  
Detector**  
Model SCM3



Professional-grade  
instruments for field service

- 0 to 1000PPM
- Backlight
- Audio and visual alarms
- Standard 9V battery
- Auto-off to extend battery life
- Calibrate to ambient quickly with the ZERO button
- Magnetic hanger



# Standalone Carbon Monoxide Detector

Model SCM3

The model SCM3 standalone carbon monoxide detector measures low levels of carbon monoxide in parts per million (PPM). It is intended to measure levels of CO in still ambient air. In many cases, it can help pinpoint sources of CO. It uses a long-lasting sensor that does not consume chemicals. Sensor life is primarily determined by the type of exposure.

The most practical application is to determine if the indoor CO levels are higher than outdoor levels and to determine the source of higher concentration. The SCM3 can be used to measure PPM CO in flue gases.

## "Walk around" Test

The SCM3 is fast enough to respond instantly to changes in CO levels. If you see a difference in CO levels from outside to inside, you need to find the source of CO. Walk around and watch the display. By constantly going towards the area of highest concentration, you can determine the source of CO.

Persistent sources of CO, such as malfunctioning combustion equipment in occupied spaces, must be serviced immediately.

Features	
Versatile	<ul style="list-style-type: none"> <li>■ Reacts fast enough to find CO sources during "walk around" tests.</li> <li>■ Use with an optional pump (model AOXP2) to test remote and hot areas above 105°F such as flue gases.</li> <li>■ Max function.</li> </ul>
Rugged	<ul style="list-style-type: none"> <li>■ Rubber boot for added protection.</li> <li>■ Rugged mechanical design.</li> </ul>
Easy to use	<ul style="list-style-type: none"> <li>■ Bright blue backlight.</li> <li>■ Magnetic hanger for hands free operation.</li> <li>■ Standard 9V battery.</li> <li>■ Auto power off to save battery life.</li> </ul> <div style="text-align: right;">  </div>

Specifications	
Range:	0 to 1000PPM (2000 PPM with 5 minute max exposure time.)
Air sample temperature range:	32 to 105°F; 15 to 90%RH
Initial accuracy:	0 to 15ppm: ±5% reading ±1 ppm after zeroing 16 to 35ppm: ±5% reading ±2 ppm after zeroing 36 to 1000ppm: ±5% reading ±5ppm after zeroing
Accuracy:	Stated accuracy @ 73°F ± 9°F, <75%RH
Operating Environment:	32 to 122°F at <75% RH
Storage temp:	-4°F to 140°F, 0 to 80% RH, battery removed.
Sensor calibration:	Factory calibrated on 205ppm
Sensor type:	Electrochemical (specific to CO)
Battery life:	150 hours typical alkaline. APO at 15 min.
Battery:	Standard 9V

## CO Exposure Effects

CO ppm	Effects
9 ppm	Minimal. Max allowable concentration for eight hours (EPA and ASHRAE).
35 ppm	Max for continuous exposure for one hour (EPA and ASHRAE).
50 ppm	Max for eight hours (OSHA).
100 ppm	Trips installed CO detectors. UL2034 specifies a max exposure of 100 min.
200 ppm	In two to three hours: slight headache, tiredness, dizziness, nausea. UL2034 specifies a max exposure of 35 min.
400 ppm	In one or two hours: frontal headaches. In three hours: life threatening. UL2034 specifies a max exposure of 15 minutes.
800 ppm	In forty five minutes: dizziness, nausea, and convulsions.
800 ppm	In two to three hours: death.
1600 ppm	In one hour: death.
6400 ppm	In fifteen minutes: death.
12800 ppm	In three minutes: death.

Effects can vary significantly depending on age, sex, weight, and overall health.

