

Pinpoint  
Sources  
of CO



**Carbon Monoxide  
Detector (CO ppm)**  
Model SCM4



Test Tools HVAC/R Pros Trust


- Fast response for walk around testing.
- Alarm and magnetic hanger.
- New and improved field replaceable smart sensor (RCM4).
- Zero ambient CO (up to 5ppm).
- 0 to 1000 ppm CO.
- Backlight.

**NEW**

The model SCM4 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. 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. In many cases, it can help locate sources of CO. It uses a high quality field replaceable sensor with a life primarily determined by the type of exposure.

## Walk Around Testing

The SCM4 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. When searching for sources of CO, make sure that you never put yourself or anyone else in danger of excessive exposure to CO. Overexposure to CO can have long-term health effects and can be fatal.

Features	
Versatile	<ul style="list-style-type: none"> <li>■ Reacts fast to find CO sources during “walk around” tests.</li> <li>■ New and improved field replaceable smart sensor (model RCM4.)</li> <li>■ Alarm can be muted.</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 with auto power off to save battery life.</li> </ul>

Specifications	
<b>Range:</b>	0 to 1000 ppm (continual use) 0 to 2000 ppm (5min max exposure)
<b>Air sample range:</b>	32°F to 105°F (0 to 41°C) 15% to 90% relative humidity
<b>Initial accuracy:</b>	0 to 15 ppm: ±5%rdg ±1ppm
<b>@ 73°F ±9°F, &lt;75%RH;</b>	16 to 35 ppm: ±5%rdg ±2ppm
<b>after zeroing</b>	36 to 1000 ppm: ±5%rdg ±5ppm
<b>Sensor calibration:</b>	Factory calibrated at 205 ppm.
<b>Sensor type:</b>	Electrochemical (specific to CO)
<b>Operating environment:</b>	32°F to 122°F (0 to 50°C)
<b>Battery:</b>	9V (included)
<b>Battery life:</b>	150 hrs typical (alkaline)
<b>Auto-off:</b>	15 minutes

CO 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.
200ppm	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.

