



# TS-50-CO Carbon Monoxide Detector



## Features

- Touch Pad Controls
- LCD Screen
- Audible Heart Beep
- Audible Double Battery Mode Beep
- Easy Sensor Replacement
- Extra wire leads connect to filtration panel power light
- External remote leads

## Benefits

- Simple user interface
- Indicates gas type, gas level, battery status, calibration information
- Let's users know that unit is in normal operation
- Let's users know when both, AC and DC, batteries are operational
- Simplified training
- Indicate unit is in AC power mode
- Supports strobe alarm operations

## Description

The GM Safety Products Carbon Monoxide (CO) Detector Model TS-50-CO is designed to be used with air filter panels or as a remote means of monitoring for CO in breathing air that is being supplied to Air Respirators. The monitor is set to go into alarm condition anytime the CO level exceeds 10ppm (5ppm required for Canada).

Carbon Monoxide is an odorless, colorless gas that can cause sudden illness or death due to asphyxiation. There are potential CO dangers at home, at work and even at play. It is also flammable within certain concentrations.

Other names for CO gas include: coal gas, carbon oxide, exhaust gas and flue gas. There are many sources of CO: cars and trucks, boats, small gasoline engines, stoves, generators, heaters and many, many industrial processes involving furnaces, boilers and burners.

When CO from such sources is released within an enclosed or poorly ventilated area, it becomes a confined space hazard that endangers employees, equipment and facilities.

## Applications

- Air Filtration Panels
- Industrial Hygiene
- HVAC Systems
- Confined Spaces
- Vaults
- Tunnels
- Utilities
- Parking Garages
- Industrial Furnaces
- Industrial Boilers
- Steel Manufacturing
- Assembly Facilities
- Warehouses



# TS-50-CO Carbon Monoxide Detector

## System Specifications

- Sensor:** CO Electrochemical Cell
- Calibration Level:** 20ppm CO balanced Nitrogen
- Alarm Set-point:** High CO = 10ppm  
High CO = 5ppm (Canada)
- Audible Alarm:** 90 dB piezo with bezel nut for panel mounting
- Visual Alarm:** LED

## Mechanical Specifications

- Housing :** Cast Aluminum
- Width:** 4.5 inches
- Depth:** 2.25 inches
- Length:** 3.5 inches

## Electrical Specifications

- Power:** 115 AC to 9V DC Adapter
- Battery:** 9V DC Alkaline Battery (Back-Up)

## Configurations

- TS-50-CO-10:** 10 ppm  
**TS-50-CO-5:** 5 ppm

*Each unit includes a wall transformer, a CO sensor assembly, and a calibration adapter.*

## Accessories

Calibration kit

## Warranty

2 years

## CO Detector Operations

### Power ON

If previously OFF and the MODE KEY is pressed, the POWER ON capability shall initiate the POWER ON SELF-TEST (POST):

- Display GM and software revision
- Display countdown from 30 to 0
- Display Alarm level
- Display gas readings screen

### Power OFF

If previously ON and the SET key is pressed and held, the POWER OFF capability shall initiate the POWER OFF sequence:

- Display OFF
- Display a countdown from 5 to 0

### Calibrate

Provision is made for semi-automatic calibration of the sensor. The user must employ a Calibration Adapter and furnish a source of zero air and 20 ppm CO calibration gas. Each gas sensor is capable of being zeroed only or span calibrated. The calibration point is 20 ppm.

### LCD Screen Menu

Each screen in the menu can be displayed using the MODE key. After 15 seconds of no activity, the screen will default to the Gas Readings screen. The MODE key is used to move between screens or menu selectable items on the display. The SET key will select the highlighted item in the screen.

*Specifications subject to change without notice.*

Represented by:

## GM Safety Products Worldwide



[www.gmsafetyproducts.com](http://www.gmsafetyproducts.com)  
[www.generalmonitors.com](http://www.generalmonitors.com)

### Corona, CA

372 Elizabeth Lane  
Corona, CA 92880  
Tel: 951-371-6140  
Fax: 951-371-2415  
email: [info@gmsafetyproducts.com](mailto:info@gmsafetyproducts.com)

### Ireland

Ballybrit Business Park  
Galway  
Republic of Ireland  
Tel: +353-91-751175  
Fax: +353-91-751317  
email: [info@gmil.ie](mailto:info@gmil.ie)

### Singapore

No. 2 Kallang Pudding Road  
#09-16 Mactech Building  
Singapore 349307  
Tel: +65-6748-3488  
Fax: +65-6748-1911  
email: [genmon@gmpacifica.com.sg](mailto:genmon@gmpacifica.com.sg)

### United Arab Emirates

P.O. Box 61209  
Jebel Ali  
Dubai  
United Arab Emirates  
Tel: +971-4-8815751  
Fax: +971-4-8817927  
email: [gmme@emirates.net.ae](mailto:gmme@emirates.net.ae)

### United Kingdom

Heather Close  
Lyme Green Business Park  
Macclesfield, Cheshire  
United Kingdom, SK11 0LR  
Tel: +44-1625-619583  
Fax: +44-1625-619098  
email: [info@generalmonitors.co.uk](mailto:info@generalmonitors.co.uk)