

EC-600

Stand Alone Carbon Monoxide Gas Monitor

- Operates with or without a controller
- Tri-colour visual alarm display: Green=Normal, Yellow=Alarm 1, Red=Alarm 2
- Large easy to read digital display
- Two power options: 24 VDC, or 2 AA alkaline batteries
- Operates up to 1 year on one set of AA alkaline batteries
- Pressure compensation eliminates false alarms caused by pressure change
- Remote mount sensor cable available
- Compact wall mount design

OVERVIEW

The model EC-600 is an indoor, standalone monitor that detects Carbon Monoxide (CO) with a range of 0-150 ppm with 1 ppm increments.

It's sleek, low-profile design is equipped with a unique tri-color display, which changes color as Carbon Monoxide levels reach each alarm level. It is capable of operating with two different power options; 24 VDC or alkaline batteries.

The EC-600 has two preset alarms, and comes ready to operate with a simple wall mount bracket. If Carbon Monoxide is present, the user is notified by an audible alarm tone and the multicolored LED digital display.

The EC-600 uses a fast responding low-cost plug-in style electrochemical sensor. This long life sensor is field-replaceable with no special tools required. The sensor can also be remotely mounted with an optional remote sensor cable.

This device is designed to replace large, bulky monitors and should be used to monitor small areas. Additional alarms and strobes may be integrated into the monitor.

It can also be wired into a BMS (building management system), if required.



APPLICATIONS

- Garages and tunnels
- Iron and steel industry
- Laboratories
- Boiler rooms
- Vehicle service areas
- Engine testing
- Shipping / receiving docks
- Multi-occupancy residences



Optional remote sensor



Scan For More Information

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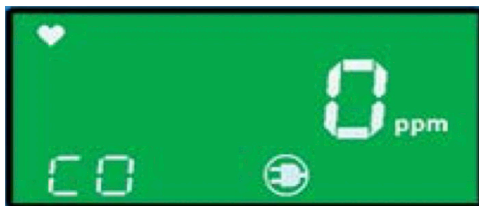
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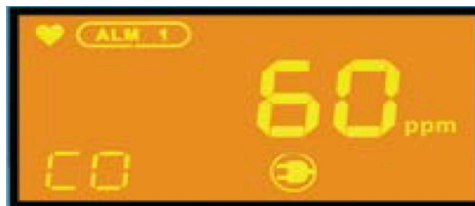
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Detection principle	Electrochemical
Gas detected	Carbon Monoxide (CO)
Detection range	0 ~ 150 ppm (1ppm / digit)
Display resolution	1ppm
Detection method	Diffusion or remote sampling method with optional sensor extender cable
Indication accuracy	+ / - 5% of reading or + / - 2% full scale (whichever is greater)
Response time	90% Response within 30 seconds (T90)
Alarm Levels	Two preset alarms (L-H) alarm 1 = 50 ppm alarm 2 = 100 ppm (other settings available)
Display of alarm	1st gas alarm: gas concentration reading blinks, flashing AL 1 icon, orange back light, buzzer 2nd gas alarm: gas concentration reading blinks, flashing AL 2 icon, red back light, buzzer
Alarm logic	Latching or Non-latching (including trouble alarm)
Alarm contact	Dry contact, normally open or normally closed (default setting is normally open)
Display	Digital LCD (3 digits, 7 segments / Green, Orange, Red) (For Alkaline battery version, the back light will be OFF during normal operation)
Trouble alarm / Self-diagnosis	System trouble / sensor connection trouble
Display of trouble alarm	Buzzer / flashing of red error message
Relay contact rating	125VAC, 1A or 30VDC, 1A (Resistive load)
Approvals	CE marking
Output signal	4 ~ 20mA (Non-isolated, Resistive load under 300Ω) or 0 - 1VDC (Non-isolated) *only for 0 - 1VDC Alkaline battery specification
Extender cable (optional)	Extender cable with remote box (3 m, 5 m, 10 m, & 20 m lengths available)
Power sources	24VDC±10%, or AA alkaline battery (2 each)
Power consumption	AC specification: MAX 3.5VA, DC specification: MAX 2W
Continuous operation	1 year (no alarm, no indication for alkaline battery version)
Operating temperature	-17°C ~ 40°C
Operating humidity	0 to 90%RH (non-condensing)
Mounting equipment	Wall mounting type (by using accessory mounting plate or mount at one switch box) Cable inlet: Up, down and left/right, or rear side
Dimension	Body: approx. 80m (W) x 120mm (H) x 35.5mm (D)
Weight	DC specification: approx. 180g, Alkaline battery specification: approx. 230g

3 COLOUR LED DISPLAY



Normal



Warning



Alarm