

# CAR, VEHICLE & AIRCRAFT CO DETECTOR FORENSICS™

**FORENSICS**  
DETECTORS

**CAR, VEHICLE & AIRCRAFT  
CO DETECTOR**

MODEL: CAR001



## WARNING

- PRODUCT **DOES NOT** COMPLY WITH UL2034
- **REPLACE** THIS PRODUCT ONCE DATE HAS EXCEEDED **END OF LIFE DATE** (see detector)
- KEEP DETECTOR **AWAY** FROM ELECTROMAGNETIC & MAGNETIC INTERFERENCES
- **DO NOT** EXPOSE PRODUCT TO HARSH ENVIRONMENTS nor CLEANING AGENTS
- PLACE **AWAY** FROM DIRECT SUNLIGHT
- ENSURE SENSOR HOLE IS **NEVER BLOCKED**
- CO ALARMING INDICATES PRESENCE OF CARBON MONOXIDE WHICH MAY KILL YOU
- IF UNIT ALARMS **TAKE PRECAUTIONS** AND SEEK CLEAN AIR. IF UNWELL, SEEK MEDICAL ATTENTION.
- IF UNIT ALARMS, DETERMINE CAUSATION AND REMEDY CO LEAKAGE ISSUES
- **DO NOT** ATTEMPT TO OPEN THE ALARM UNIT
- ENSURE DETECTOR IN **LINE OF SIGHT** FOR VISUAL ALARM IN CASE BUZZER ALARM CANNOT BE HEARD
- **DO NOT LEAVE** DETECTOR IN HOT ENVIRONMENT FOR PROLONG PERIODS (>5days)

## INTRODUCTION

You have purchased the original "FORENSICS" low level Vehicle & Aircraft CO Gas Alarm, CAR001. This product detects carbon monoxide and alarms at low levels. Such alarming is crucial for vehicle and aircraft operators/occupants that may cloud hand-eye coordination, induce fatigue, dizziness and disorientation. The first alarm triggers at 9ppm which aligns with WHO, EPA and ASHRAE, the second alarm triggers at 25ppm which aligns with Cal/OSHA and the third alarm triggers at 50ppm which aligns with OSHA; eight hour recommended CO exposure limits.

## OPERATION

**ON:** Press **POWER** button for 3 seconds. Warm up period will take about 3 minutes with display showing "CAL". Ensure this takes place at room temperature & in fresh air. This process ensures accuracy of the detector.

**OFF:** Press **POWER** button for 3 seconds.

**MAX:** Quick press **POWER** button. The **BLUE LED** will turn ON and the display will show the MAX value from period of power-on to present time (memory clears when device off). This is a useful feature just in case you missed the alarm or instantaneous CO digital reading.

**DIASABLE:** When the detector exceeds 122F, the detector will disable alarm functionality to prevent false readings and will display "--". When the temperature falls below 122F, the detector will resume normal operation.



## DETECTOR PLACEMENT

Ensure **NOT** in direct sunlight. Ensure display is **VISIBLE**. **DO NOT** mount on air vents.

## ALARM SEQUENCE

CO Level	Display	Alarm
0 to 8ppm	ZERO	NO ALARM
9 to 24ppm	ppm Level	after 60 seconds RED LED flash
25 to 49ppm	ppm Level	after 60 seconds RED LED & BUZZER
> 50ppm	ppm Level	Immediate RED LED & BUZZER

Low Battery Alarm: Buzzer will "beep" every 30 secs.

## SPECIFICATIONS

**Size:** 69 x 47 x 20 mm (2.7 x 1.9 x 0.8 inches)

**Weight:** 50.8g (1.8oz) with Housing 81.0g (2.9oz)

**Sensor:** electrochemical sensor, Made in Japan

**Battery:** 2 x CR2032

**Battery life:** continuously working for about 8-12 months

**BLUE/RED LED:** max level indicator/CO alarm indicator

**Buzzer:** sound alarm, 70dB at 1meter

**Working temperature:** -10°C to 50°C (14°F to 122°F)

**Working humidity:** 15%—90%RH

**CO Detection Range:** 9ppm to 999ppm

**Resolution:** 1 ppm with 0.5 secs averaging & refresh rate

**CO Accuracy:** ± 10% of CO reading

**Lifetime:** see detector for END OF LIFE Date

## Support & Sales

**WEB:** [www.forensicsdetectors.com](http://www.forensicsdetectors.com)

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