

# REED Model R9450 Carbon Monoxide Meter



## Specifications

Measuring Range	0 to 999 ppm
Accuracy	±5% of reading or ±10 ppm
Resolution	1 ppm
Sensor Type	Stabilized electrochemical sensor
Measuring Range	32 to 122°F (0 to 50°C)
Accuracy	±1.2°F (0.6°C)
Resolution	0.1°F (0.1°C)
Measuring Range	10-90% RH
Accuracy	±3% RH (at 25°C, otherwise ±5%)
Resolution	0.1% RH
Display	LCD
F/C Switchable	Yes
Alarm	Audible (buzzer), Visible (LED)
Adjustable CO Alarm Limit	Yes
Max Hold	Yes
Date & Time	Yes
Warm-up Time	60 seconds
Desktop Stand	Yes
Wall Mountable	Yes
Power Supply	4 "AAA" batteries, AC Adaptor (optional)
Product Certifications	CE
Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-4 to 122°F (-20 to 50°C)
Operating Humidity Range	0-90% (non-condensation)
Dimensions	4.4 x 4.3 x 1.1" (113 x 108 x 28mm)
Weight	5.6 oz (159g)

## Safety

For safety reasons, we recommend that this unit be certified every year.

Do not use the meter as a personal safety monitor. Learn and recognize the effects of CO poisoning:

0 to 1 ppm	Normal background levels
9 ppm	ASHRAE Standard 62-1989 for living areas
35 ppm	The average exposure level per U.S. OSHA workplace standards
50 ppm	OSHA enclosed space 8-hour average level*
100 ppm	OSHA exposure limit*
200 ppm	Mild headache, fatigue, nausea and dizziness
400 ppm	Headache occurs in 2.5 to 3.5 hours
800 ppm	Dizziness, nausea and convulsions Death within 2 to 3 hours

\* U.S. Department of Labor, Occupational Safety & Health Administration (OSHA) Regulation 1917.24: The CO content in any enclosed space shall be maintained at not more than 50 ppm (0.005%). Remove employees from enclosed space if the CO concentration exceeds 100 ppm (0.01%).

## Features

- Measures carbon monoxide (CO), air temperature and relative humidity
- User adjustable alarm limit
- Built-in clock and calendar
- Max hold function
- Can be mounted on a wall or placed on desktop
- Manual CO calibration to zero
- Low battery indicator
- Includes batteries

## Display Description

1) Carbon Monoxide (CO)

## Operating Instructions

### Taking Measurements

This meter starts taking measurements when powered on and updates readings every 2 seconds. When turning on the meter, the CO sensor needs 1 minute warm up. The CO alarm default is 30 ppm and may be adjusted by the user.

### Maximum Function

Press **MODE** button, LCD displays MAX CO, Temperature and Humidity reading. To reset the max, hold **MAX** button while in **MAX** mode and the display will show Clr, confirming memory has been cleared.

### Setting the Date & Time

The meter displays current date and time alternately, each cycle lasts 6 seconds. To enter the date/time setting press **MODE** and **POWER** at the same time. Press **SEL/R** to increase the digit and **TRH/M** to decrease the digit. To edit the Year, Month/Date and Hour/Minute press **MODE**. Press **UNIT** to select the Month or Date, Hour or Minute. Once complete, press **MODE** and **POWER** to save and exit. Please note time is reset when meter is powered off.

### Toggle Temperature

Press the **UNIT** button to toggle unit of measure.

### Power ON/OFF

Press the **POWER** button and the LCD will show current CO reading, Temperature, Humidity, Date and Time.

### Alarm Setting

In normal measurement mode, press the **POWER** button to toggle alarm ON or OFF. While alarm is on, the red LED will flash if the data is exceeding the set alarm limit. Press **SEL/R** and **POWER** to set CO alarm threshold. Press **UNIT** to change digit. Press **SEL/R** to increase the digit and **TRH/M** to decrease the digit. Once complete, press **SEL/R** and **POWER** to save and exit.

### Manual Calibration to Zero

Before starting make sure the area is well ventilated and there is no CO in the environment. When unit is turned on, hold **UNIT** for 6 seconds. The CO will display "0000" and flash for 60 seconds.

### Error Codes

Er 1	Sensor Failed
Er 2	Out of measured range



**REED Instruments**

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