

# **Instruction Manual**





## Safety

50 ppm

100 ppm

## For safety reasons, we recommend that this unit be certified everv vear.

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 ASHRAE Standard 62-1989 for 9 ppm

living areas

The average exposure level 35 ppm

per U.S. OSHA workplace standards

OSHA enclosed space

8-hour average level\*

OSHA exposure limit\*

Mild headache, fatigue, nausea and dizziness 200 ppm

400 ppm Headache occurs in 2.5 to 3.5 hours Dizziness, nausea and convulsions 800 ppm

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**

Accuracy

Resolution

- 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) ppm CO alarm indicator Relative Humidity Temperature Air Temperature Year / Month / Day / Time (Rotates) **Specifications** Measuring Range 0 to 999 ppm

±5% of reading or ±10 ppm

1 ppm

Sensor Type Stabilized electrochemical sensor

Measuring Range 32 to 122°F (0 to 50°C) ±1.2°F (0.6°C) Accuracy Resolution 0.1°F (0.1°C) 10-90% RH Measuring Range

±3% RH (at 25°C, otherwise ±5%) Accuracy

Resolution 0.1% RH LCD Display 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

4 "AAA" batteries, AC Adaptor (optional) Power Supply

**Product Certifications** 

Operating Temperature 32 to 122°F (0 to 50°C) -4 to 122°F (-20 to 50°C) Storage Temperature Operating Humidity Range 0-90% (non-condensation)

**Dimensions** 4.4 x 4.3 x 1.1" (113 x 108 x 28mm)

Weiaht 5.6 oz (159g)

## **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 MODE button while in MODE 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

## 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** 

Sensor Failed Er 1

Fr 2 Out of measured range

For service on this or any other REED product or information on other REED products, contact REED Instruments at info@REEDInstruments.com.

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