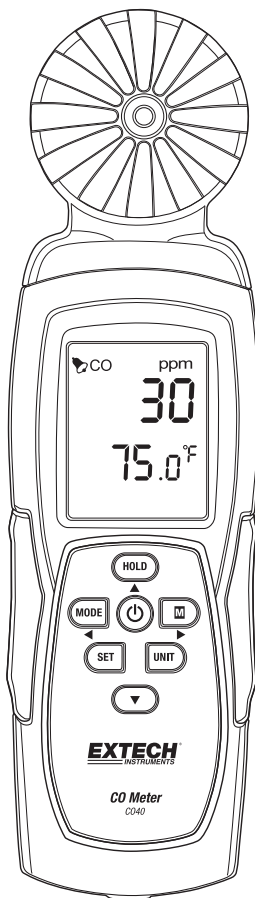


Portable Carbon Monoxide (CO) Meter

Model CO40



Introduction

Thank you for selecting the Extech Instruments Model CO40. The CO40 simultaneously measures CO concentration and Air Temperature. The CO40 is designed using vented ball technology for fast response (<30 seconds) for sensing CO gas.

The user-programmable high alarm alerts the user if the CO level rises above the programmed limit.

This device is shipped fully tested and calibrated and, with proper use, will provide years of reliable service. Please visit our website (www.extech.com) to check for the latest version of this User Guide, Product Updates, and Customer Support.

Features

- Portable meter capable of measuring CO and temperature accurately
- Measures CO (0~999ppm) with alarm (alarm default 30ppm)
- Dual display indicates air temperature and CO
- Adjustable CO alarm threshold (0 to 999ppm) with audible beeper
- Electrochemical, vented ball CO sensor technology
- Tripod mount
- Battery or AC Adaptor powered

IMPORTANT SAFETY NOTES

This Carbon Monoxide Monitor is intended for general purpose Air Quality monitoring only, and has not been certified for use pursuant to any state or city safety Carbon Monoxide Alarm or Monitoring requirements.

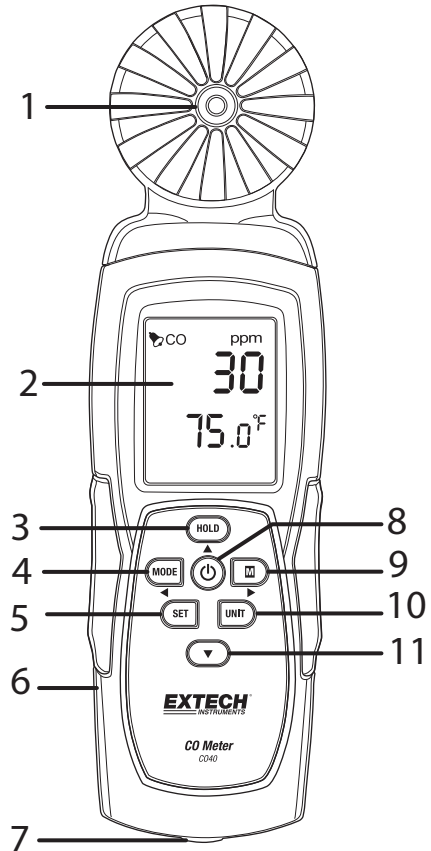
The CO40 Carbon Monoxide Monitor has not been tested by an independent lab to comply with UL 2034 or IAS 6-96 standard.

It is the responsibility of the customer to obtain and apply current local, state, and national regulations with regard to CO alarms, monitoring and testing.

Meter Description

1. Sensors
2. LCD Display area
3. HOLD Button / ▲ Up arrow button
4. MODE / ◀ Left Arrow Button
5. SET Button
6. AC adaptor jack
7. Tripod Mount
8. POWER (⏻) Button
9.  (Max Reading) / ▶ Right Arrow Button
10. UNIT Button
11. ▼ Down Arrow Button

Note: Battery compartment on rear



Operation

Powering the meter

Momentarily press the  button to power on the meter. Hold the  button for 2 seconds to turn off the meter. During measurement, if the alarm is sounding (audible beeper) press the  button momentarily to turn off the beeper. Press again to activate the beeper. The alarm beeper is set to ON by default. The meter can be powered by 4 AAA batteries or AC adaptor.

Auto Power Off

The CO40 will automatically turn off after 15 minutes of inactivity. To disable the auto power off function: With the meter OFF, press and hold the **HOLD** button and then press the Power  button. The LCD will show “n”, and will then return to normal measurement mode.

Measurements

When the meter is turned on a self-test is performed as the LCD counts from “9999” down to “0000” and then enters the normal mode of operation where measurements are taken by the sensors and displayed on the LCD. The upper LCD area shows the CO reading in ppm and the lower LCD area shows the air temperature reading in °C/°F units of measure.

Selecting °C/°F units of measure

Press the **UNIT** button to select the desired temperature unit of measure.

Maximum Reading Memory

Momentarily press the **M** button to view the maximum readings captured since the meter was powered on (the MAX icon will be appear). Press **M** button again to return to normal operation.

Data Hold

Momentarily press the **HOLD** button to freeze the displayed readings (the HOLD icon will appear). Press the **HOLD** button again to return to normal operation.

Calibration

Press and hold the **MODE** button for 2 seconds to enter the self-calibration mode. Ensure that there is no CO present while calibrating. The LCD will display “**CAL**” and “**ooooo**” flashing. Wait for approximately fifteen seconds, until the calibration is completed. “**End**” appears on the screen when calibration has completed. After five seconds, the meter then returns to its normal measurement mode.

CO High Alarm

Setting the Alarm Threshold

- Press and hold the **SET** button for 2 seconds to enter the high CO alarm threshold mode. The setting range is 0 to 999ppm (default is 30ppm)
- Press the **▲HOLD** button to increase the value and press the **▼** button to decrease the value
- Press the **MODE** button to select the digit to the left
- Press the **M** button to select the digit to the right
- Once the desired value is set, press the **SET** button for 2 seconds to save the alarm setting and to return to the normal mode

Arming/Disarming the Alarm

Momentary presses of the Power button  will arm/disarm the alarm (Bell icon appears when the alarm is armed)

Alarm beeper

When the alarm is triggered, the audible beeper will sound. A momentary press of the Power button will silence the alarm.

Battery Replacement

When the battery icon appears on the LCD, the batteries must be replaced.

In a downward motion, slide the rear battery compartment cover off of the meter housing.

Remove the old batteries and replace with new batteries (all of the same type) observing correct polarity. This meter uses four (4) 1.5V AAA batteries. Please replace the battery compartment cover before attempting to use the meter.

Battery Safety Reminders

- Please dispose of batteries responsibly; observe all relevant regulations.
- Never dispose of batteries in a fire; batteries may explode or leak.
- Never mix battery types; install new batteries of the same type.

Specifications

Display	Dual Multifunction LCD displays CO concentration, Air Temperature
CO Sensor	Vented ball, electrochemical CO measurement device
CO measurement range	0 to 999ppm
CO Response time	< 30 seconds
CO accuracy	±5% of reading or ± 10ppm
CO Resolution	1ppm
Temperature sensor	Thermistor
Temperature range	14 to 122°F (-10 to 50°C)
Temperature accuracy	±1.2°F (0.6°C)
Temperature resolution	0.1°F (0.1°C)
High CO Alarm	Audible alert when CO level rises above programmed limit (user-programmable from 0 to 999ppm; default is 30ppm)
Memory	Maximum reading (MAX) Hold and Data Hold
Power	Four (4) AAA batteries (with low battery indication) or AC Adaptor
Operating Temperature and Relative Humidity	32 to 122°F (0 to 50°C), 10~90%RH
Storage Temperature and Relative Humidity	-40 to 158 °F (-40 to 70°C), 0 ~ 95% RH
Dimensions	8.3x2.4x1.6" (211x60x40mm)
Weight	6.4 oz. (181.4g)

Warranty

FLIR Systems, Inc. warrants this Extech Instruments brand device to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies to sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department for authorization. Visit the website www.extech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. FLIR Systems, Inc. specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. FLIR's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

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Support Lines: U.S. (877) 439-8324; International: +1 (603) 324-7800

Technical Support: Option 3; E-mail: support@extech.com

Repair & Returns: Option 4; E-mail: repair@extech.com

Product specifications are subject to change without notice

Please visit our website for the most up-to-date information

www.extech.com

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ISO 9001 Certified

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Lignes d'assistance: États-Unis (877) 439-8324; international: +1 (603) 324-7800

Service d'assistance technique : Option 3 ; E-mail : support@extech.com

Réparations et retours : Option 4 ; E-mail : repair@extech.com

Les spécifications produit sont sujettes à modifications sans préavis.

Pour les toutes dernières informations, veuillez visiter notre site Web.

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Líneas de soporte: EE.UU. (877) 439-8324; Internacional: +1 (603) 324-7800

Soporte Técnico Opción 3; correo electrónico: support@extech.com

Reparación / Devoluciones: Opción 4; correo electrónico: repair@extech.com

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