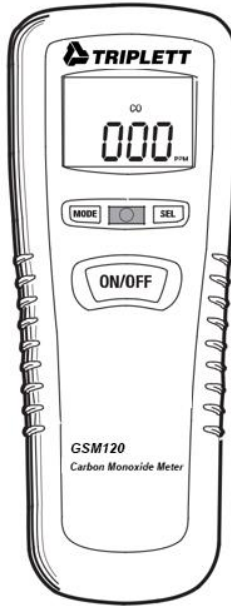![TRIPLETT logo]

GSM120
Carbon Monoxide Meter

CE

Introduction

Congratulations on your purchase of the Triplett GSM120 Carbon Monoxide Meter. The GSM120 measures and displays CO concentrations between 0 and 1000 parts per million (ppm).

Safety Information

⚠️ **Carbon monoxide is life threatening even at relatively low concentrations; learn and recognize the effects of CO poisoning (see Table below). Do not use this meter as a personal safety monitoring device.**

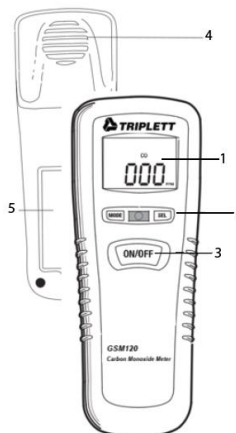| 0-1PPM	Normal background levels.
9 PPM	ASHRAE Standard 62-1989 for living areas.
50 PPM	OSHA enclosed space 8-hour average level. *
100 PPM	OSHA exposure limit. *
200 PPM	Mild headache, fatigue, nausea and dizziness.
800 PPM	Dizziness, nausea and convulsions. Death within 2 to 3 hours.
*U.S. Department 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%).	

Ensure that the meter is turned on in an area free of CO. If not, the meter will read incorrectly when subsequently measuring CO.

Description

METER DESCRIPTION

1. LCD Display
2. Mode Button, Power/Alarm LED, Select Button
3. Power ON/OFF Button
4. CO Sensor
5. Battery Compartment

Operation

MEASUREMENTS

IMPORTANT: Ensure that the meter is turned on in an area free of CO. If not, the meter will read incorrectly when subsequently measuring CO.
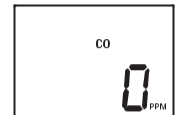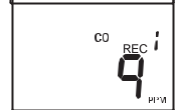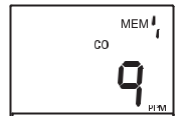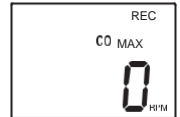
1. Press the ON/OFF button to turn the meter on.
   Allow time for the meter to perform the self- test and for the display to settle

2. To use the meter, trace the GSM120 around the area of the suspected leak.

3. The meter will indicate the presence of CO (in ppm) on the LCD display. An audible beep will sound at 35 ppm alerting the user that the threshold of dangerous CO levels has been detected. The higher the concentration of CO, the faster the beeper will sound. Above 200PPM the beeper will sound continuously.

4. To turn the meter off, press the ON/OFF key. If the meter is left on, the meter will automatically power off after 15 minutes.

MODE Button Functions

Press the MODE button to step through the following functions..

1. **Maximum Data Mode**: Displays the highest reading taken. This reading is cleared when the meter is powered off.

2. **Recall Data Mode**: Press the **SEL** button to step through and recall the data from the 10 memory locations. The current memory location (0-9) is displayed in the top right.

3. **Store Data Mode:** In this mode, you can store the reading to the next available memory location by pressing the SEL button. "REC" is displayed in the top right.

4. **Recall Alarm Mode:** The meter will display the alarm level data setting ─"30ppm".
   Zero Mode: Press the **SEL** button for over 8 seconds to enter the manual zero adjusting mode. The zero value will blink and then the display will 0 and the meter will return to the Measure Mode.

5. **Measuring Time Mode/Auto Power Off disable:** This mode will display how long the meter has been on taking measurements. The time is cleared when the meter is powered off. The auto power off function is disabled in this mode. In all other modes, auto power off is enabled and will power off after 15 minutes of inactivity.

6. **Audible Alarm Enable/Disable:** The audible alarm can be turned on/off by pressing the **SEL** button. "on" or "off" will be displayed on the LCD. The alarm light will remain enabled in either setting.

Backlight In the measure mode press and hold the **SEL** button for 4 seconds to turn the backlight on/off. Press the MODE button to enter maximum data mode.

Specifications

Measurement range	0-1000 ppm
Resolution	1 ppm
Accuracy	±5% or ±10 ppm (whichever is greater)
Sensor Type	Stabilized electrochemical Gas-specific (CO)
Sensor Life (Typical)	3 years
Warm-up Period	<2 seconds
Power supply	9V Battery (NEDA 1604 or IEC6F22)
Battery life	Approx. 50 hours with alkaline battery
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-30 to 60°C (-22 to 140°F)
Operating Humidity	0 to 99% RH (non condensing)
Dimensions	160 x 56 x 40mm (6.3 x 2.2 x 1.57")
Weight	180g (6.35oz)

You, as the end user, are legally bound (**EU Battery ordinance**) to return all used batteries, **disposal in the household garbage is prohibited!** You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold!

Disposal: Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle

Warranty

Triplett / Jewell Instruments extends the following warranty to the original purchaser of these goods for use. Triplett warrants to the original purchaser for use that the products sold by it will be free from defects in workmanship and material for a period of (1) one year from the date of purchase. This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way or purchased from unauthorized distributors so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries are not covered by this warranty