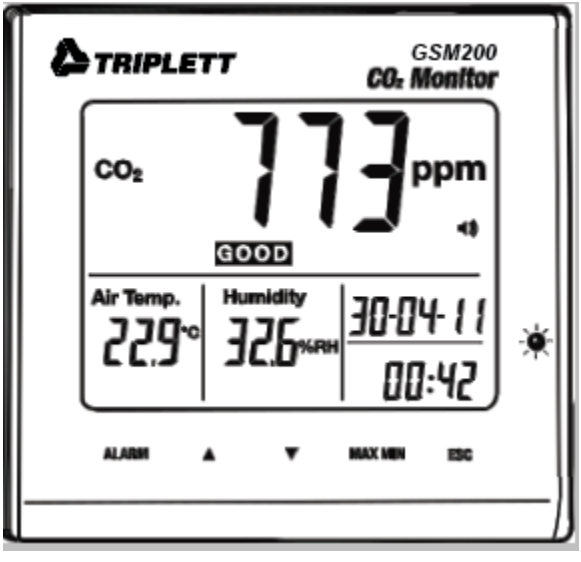
User Manual

TRIPLETT

GSM200

Desktop Indoor Air Quality Monitor (CO2, Temperature and Humidity)



Introduction

Thank you for selecting the Triplett GSM200. The Carbon Dioxide (CO2) Monitor is designed for air quality control and health control by measuring Carbon Dioxide level in areas where CO2 could be a concern. The measured CO2 value in ppm (parts-per-million),

Temperature, Humidity and Time will be displayed on the LCD along with three CO2 status indications: Good (0 to 800ppm), Normal (800 to1200ppm), Poor (>1200ppm). An acoustic alarm sounds when the CO2 level exceeds a defined level. This meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

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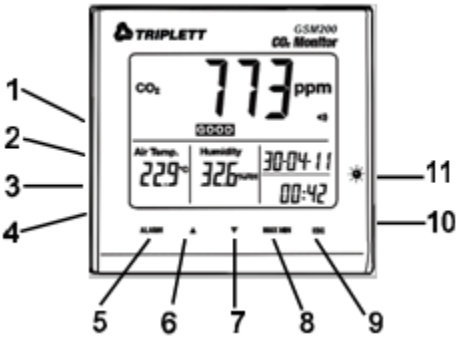
Operation



1. **Power button** (rear)
   Turns the unit on or off.
2. **HOLD button** (rear)
   Freezes the current reading in the display.
3. **°C/°F button** (rear)
   Selects °C or °F
1. **Clock button** (rear)
   Press and hold this button for 2 seconds to enter into clock mode. Press the "▲" or "▼" button to adjust the flashing digits. Press the clock button again to step through the settings (day:month:year;hour:minute). Press the "ESC" button to exit the clock setting mode.
5. **Alarm button**
   Press the Alarm button once to activate the Alarm mode. The icon appears on LCD display. If the measured value exceeds the defined value, the alarm will sound and the display will flash. Press the button again to exit the Alarm mode.

   Alarm Value Setting
   Press and hold the ALARM button for 2 seconds to enter into setting mode. The icon will flash.

Press the ▲or ▼ button to
increase or decrease the value.
Press the ESC button to exit
the setting mode.

"GOOD-NORMAL" and "NORMAL-POOR" Value Setting
In the Alarm Value Setting mode, press the ALARM button to set the GOOD NORMAL t display. Adjust the value as needed.
Press the ESC button to exit the mode.

6. **▲button**
   Press this button to increase a value. Press the "ESC" button to exit the function.
7. **▼button**
   Press this button to decrease a value. Press the ESC button to exit the function.
8. **MAX MIN button**
   Press the button once, the "MAX" icon appears and the Maximum measured value of CO2, temperature and humidity will be displayed on the screen. The display will be updated only if a higher value is measured. Press this button again, the "MIN" icon appears and the Minimum measured value of CO2 temperature and humidity will be displayed on the screen. Press ESC button to exit the function.

display will flash red in color and the audible beeper will sound (unless it has been disabled with the **SET/▼** button). Press **SET/▼** to silence the alarm beeper (when it is sounding) or to disable the beeper entirely. When disabled, the displayed beeper symbol is switched off.

9. **ESC button**
   Press this button to exit the current mode.
10. AC adaptor socket
11. Power ON LED

Backlight

Touch the button area below the LCD and the backlight will turn on. It will turn off automatically after 20 seconds of inactivity. Press “ESC” button at any time to exit the function.

ABC (Automatic Baseline Calibration)

ABC (Automatic Baseline Calibration) establishes a baseline calibration to eliminate the zero drift of the infrared sensor. The ABC function is always “ON” when the meter is turned on. ABC is designed to calibrate the meter at the minimum CO2 reading detected during 7 days of continuous monitoring (power on). It assumes that the area being tested receives fresh air with a CO2 level of approximately 400ppm at some period of time during the seven days. It is not suitable to use a desktop CO2 meter in closed areas with consistently high CO2 levels, 24 hours a day.

Maintenance

1. The meter should be cleaned with a damp cloth and mild detergent when necessary. Do not use solvents or abrasives.
2. Store the meter in an area with moderate temperature and humidity.

Specifications

Function	Range	Resolution	Accuracy
CO_2	0 to 9999ppm	1ppm	±75 ppm or ±5% of reading
Temperature	23 to 122°F (-5°C to 50°C)	0.1°	±1.5°C/2.7°F
Humidity	0.1 to 90.0%	0.1%	±5%

Display	LCD with backlighting
Sampling Interval:	2 seconds
Overload Indication:	"-OL-"
Sensor Type	CO_2: NDIR (non-dispersive infrared) technology
Operating Conditions	-5°C to 50 °C (23 oF to 122 oF) at < 90 % RH
Storage Conditions	-5°C to 50 °C (23 oF to 122 oF) at < 90 % RH
Power Supply	110V ~ 220V AC, output 6.0V DC ≥ 500mA (supplied)
Dimensions / Weight	117x102x102mm (4.6x4x4"); 204g (7.2 oz.)

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