

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Orium](#) /
- › [Orium 23621 Socus CO2 Meter User Manual](#)

Orium 23621

Orium 23621 Socus CO2 Meter User Manual

Monitor Your Indoor Air Quality

1. INTRODUCTION

The Orium 23621 Socus CO2 Meter is designed to continuously monitor indoor air quality by measuring carbon dioxide (CO2) levels, temperature, and humidity. This device utilizes a non-dispersive infrared (NDIR) sensor for accurate CO2 detection, providing real-time data to help maintain a healthy indoor environment. Its compact and discreet design makes it suitable for various settings, including homes and offices.



Figure 1: The Orium 23621 Socus CO2 Meter displaying CO2, temperature, and humidity.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to open or repair the device yourself. Refer to qualified service personnel.
- Keep the device away from water and other liquids.
- Ensure proper ventilation around the device for accurate readings.

3. PRODUCT OVERVIEW AND COMPONENTS

The Orium 23621 Socus CO2 Meter features a clear display and essential ports for operation.



Figure 2: Key features of the Orium 23621 Socus CO2 Meter, including USB port, alarm function, LCD display, and rechargeable battery.

3.1 Display Elements

- **CO2 (PPM):** Displays the current carbon dioxide concentration in parts per million.
- **Temperature (°C):** Shows the ambient temperature in degrees Celsius.
- **Humidity (%RH):** Indicates the relative humidity percentage.
- **Battery Indicator:** Shows the current battery charge level.
- **Alarm Icon:** Appears when the audible alarm is active or triggered.

3.2 Ports and Controls

- **USB Port:** Used for charging the device.
- **Control Buttons:** (Specific button functions are not detailed in the provided data, but typically include Power On/Off, Alarm Settings, and potentially Data Logging controls).

4. SETUP

4.1 Initial Charging

Before first use, fully charge the Orium 23621 CO2 Meter. Connect the provided USB cable to the device's USB port and plug the other end into a compatible USB power adapter (not included) or a computer's USB port. The battery indicator on the display will show charging status.

4.2 Placement

Place the device on a stable, flat surface in the area where you wish to monitor air quality. Ensure it is not

obstructed and has adequate airflow. Avoid placing it near windows, air vents, or directly next to heat sources, as this can affect sensor accuracy. The discreet tabletop design allows for flexible placement in various environments, such as homes and offices.



Figure 3: The CO2 meter positioned on an office desk, demonstrating typical placement.



Figure 4: The CO2 meter on a side table in a living room, illustrating its discreet design.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button (location not specified, typically on the side or back) for a few seconds to turn the device on or off. The display will illuminate upon activation.

5.2 Reading the Display

Once powered on, the device will immediately begin monitoring and displaying the following values:

- **CO2 Level:** The large green number indicates the current CO2 concentration in PPM.
- **Temperature:** The blue number below CO2 shows the temperature in degrees Celsius.
- **Humidity:** The blue number next to temperature displays the relative humidity percentage.



Figure 5: A close-up view of the meter's display, showing CO₂ (PPM), temperature (°C), and humidity (%RH).

5.3 Audible Alarm

The device is equipped with an audible alarm function. This alarm will sound when CO₂ levels exceed a predefined threshold, alerting you to poor air quality. Refer to the device's specific button controls (not detailed in provided data) to adjust or disable the alarm threshold if necessary.

5.4 Data Recording

The Orium 23621 supports data recording. This feature allows the device to store historical CO₂, temperature, and humidity data. Consult the full product manual or manufacturer's website for detailed instructions on accessing and utilizing recorded data, as specific controls are not provided here.

6. MAINTENANCE

6.1 Cleaning

To clean the device, gently wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water. Ensure the sensor vents are clear of dust and debris.

6.2 Calibration

The NDIR CO2 sensor is generally designed for long-term stability and may not require frequent user calibration. If you suspect inaccurate readings, consult the full product manual for any specific calibration procedures or contact customer support.

7. TROUBLESHOOTING

- **Device not turning on:** Ensure the device is fully charged. Connect it to a USB power source and allow it to charge for at least 30 minutes before attempting to power it on again.
- **Inaccurate readings:** Verify the device is placed in an area with good airflow, away from direct heat sources or vents. Allow the device to stabilize for several minutes after powering on.
- **Display not working:** Check if the device is powered on and charged. If the issue persists, try resetting the device (if a reset option is available, refer to the full manual).
- **Audible alarm not sounding:** Check if the alarm function is enabled and the threshold is set appropriately. Ensure the device's speaker is not obstructed.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact Orium customer support.

8. SPECIFICATIONS

Brand	Orium
Model	23621
Color	White and Black
Dimensions	11 x 6 x 11 cm
Weight	320 g
Power Source	Rechargeable Battery
Sensor Type	Non-dispersive infrared (NDIR)
Measurements	CO2 (PPM), Temperature (°C), Humidity (%RH)
Alarm	Audible
Data Logging	Yes

9. WARRANTY AND SUPPORT

Specific warranty information and detailed customer support contacts are not provided in this document. Please refer to the product packaging, the official Orium website, or your point of purchase for warranty details and customer service contact information.