

# 4 Gas Calibration Gas

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## 4 Gas Calibration Gas

Fast delivery and value with the most competitive pricing for 4 gas calibration gas from Canada. Choose from a range of cylinder sizes, including 17, 34, 58, 76, and 116 L.

### Four-gas Concentrations:

- Methane (CH<sub>4</sub>) 50% LEL and by volume @ 1.45% & 1.62%
- Hydrogen Sulfide (H<sub>2</sub>S) 25 ppm
- Carbon monoxide (CO). 50,60 and 100 ppm
- Oxygen (O<sub>2</sub>). 12%, 13%, 15%, 18%, 19% & 21%

Additionally, we offer refillable cylinders along with essential accessories like regulators, carrying cases, tubing, and more. Enjoy the convenience of delivery from Canada, ensuring not only the lowest prices but also the quickest delivery times in the industry.

Airwave Electronics offers both disposable cylinders for calibration gases and a 116-litre refillable cylinder that provides an economical and environmentally conscientious alternative to the disposable gas cylinders.

### 4 Gas Calibration Gas Cylinder sizes:

- 11 litre Bump aerosol with trigger for bump testing
- 17 litre Non-reactive gases
- 34 litre Reactive/Non-reactive gases
- 58 litre Reactive gases
- 74 litre Reactive gases
- 103 litre Non-reactive gases

### Calsmart™ – Refillable Cylinder for Calibration Gases

The Calsmart™ 116-litre refillable cylinder provides an economical and environmentally conscientious alternative to the disposable cylinders of its class. The Calsmart™ delivers twice the volume of gas as do disposable cylinders, and its portability allows it to fit easily into standard carrying cases. These cylinders accommodate both pure and mixed gases to fit a variety of needs. The efficiency and economical benefits of this refillable cylinder will appeal to the “smart” buyer interested in growing their company’s operations.

### Disposable Cylinders for Calibration Gases

Airwave Electronics provides disposable cylinders of a full range of calibration gases that are compatible with a wide variety of gas detection equipment. Applications include monitoring industrial workplaces, medical laboratories, industrial hygiene and environmental assessments.



## How to Calibrate your Four Gas Monitor/Meter with 4 Gas Calibration Gas

Calibrating your gas detector with 4 Gas Calibration Gas is vital to guarantee the precise and dependable performance of your monitor. Below is a comprehensive guide on the correct usage of Calibration Gas:

**Safety Precautions:** Prioritize safety by conducting the calibration process in a well-ventilated area. Wear suitable personal protective equipment. Ensure that gas concentration levels are within permissible exposure limits.

**Choosing the Right Gas Concentration:** Select a suitable Calibration Gas concentration based on your gas monitors specifications. Our diverse range of concentrations and gas mixtures accommodates the majority of Gas Monitors available.

**Preparing the Gas Monitor:** Adhere to the manufacturer's guidelines to ready the gas monitor for calibration. Activate the monitor, ensuring it is in calibration mode, and checking for any error messages.

**Connecting the Calibration Gas Cylinder:** Establish a secure and airtight connection between the 4 Gas Calibration Gas cylinder and the gas monitor using the correct tubing and flow regulator.

**Adjusting the Flow Rate:** Adjust the flow rate of the calibration gas to align with the correct specifications, ensuring an accurate calibration.

**Initiating Calibration:** Activate the calibration process on the gas monitor, exposing the sensors to 4 Gas Calibration Gas to trigger the measurement.

**Observing and Validating Readings:** Monitor the gas detector readings closely during calibration, validating that the detected concentration aligns with the known concentration of the calibration gas.

**Adjusting Calibration if Needed:** If discrepancies arise between the detected and known concentrations, follow the manufacturer's instructions to adjust the gas detector's calibration settings until accurate readings are achieved.

**Documenting Calibration:** Document the calibration process, recording the date, time, concentration of the calibration gas used, and any adjustments made to the gas detector. Proper documentation is essential for regulatory compliance and audit purposes.

**Post-Calibration Checks:** After completing calibration, conduct a functional check at regular intervals using a bump test to ensure the gas detector responds appropriately to the presence of the 4 Gases in question (H<sub>2</sub>S, CH<sub>4</sub>, CO and O<sub>2</sub>).

**Calibration Gas Conclusion:** Regular calibration is paramount to maintaining the accuracy and reliability of gas detectors in detecting hazardous gases, ensuring a safe working environment. Always adhere to the manufacturer's instructions and industry standards during gas detector calibration.



[Sulphur Dioxide Calibration Gas \(SO<sub>2</sub>\) PDF \(1.1 MB\)](#)



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