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› ACEGMET MG10 4-Gas Detector User Manual

## ACEGMET MG10

# ACEGMET MG10 4-Gas Detector User Manual

Model: MG10

## 1. INTRODUCTION

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The ACEGMET MG10 is a portable multi-gas detector designed to monitor four types of gases simultaneously: Carbon Monoxide (CO), Oxygen (O<sub>2</sub>), Hydrogen Sulfide (H<sub>2</sub>S), and Combustible Gases (LEL). This device provides real-time readings and features audible, visual, and vibration alarms to alert users to potentially hazardous gas concentrations. It is suitable for use in various environments, including industrial settings, homes, and during emergency responses.

## 2. SAFETY INFORMATION

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Read all instructions carefully before operating the device. Failure to follow safety guidelines may result in injury or inaccurate readings.

- **Calibration:** Ensure the device is regularly calibrated according to industry standards to maintain accuracy. While factory-calibrated, periodic checks are recommended.
- **Environment:** Use the detector in environments within its specified operating temperature and humidity ranges.
- **Alarms:** Do not ignore any alarm signals. Immediately follow safety protocols for gas leaks or hazardous conditions.
- **Maintenance:** Do not attempt to repair or modify the device yourself. Refer to qualified personnel for service.
- **Charging:** Use only the provided Type-C charging cable and a compatible power source.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- ACEGMET MG10 4-Gas Detector
- Type-C Charging Cable
- User Manual
- Nozzle (for specific gas line testing)

# Factory-Calibrated Ready to Use



Image: The ACEGMET MG10 Gas Detector shown with its Type-C charging cable and a specialized nozzle attachment.

## 4. PRODUCT FEATURES

- **Fast and Accurate Four Gas Detection:** Monitors CO, O<sub>2</sub>, H<sub>2</sub>S, and LEL simultaneously with real-time readings within 30 seconds.
- **Upgraded Type-C Rechargeable Design:** Features a Type-C charging port for faster and more stable charging.
- **Extended Battery Life:** Built-in lithium battery supports up to 14 hours of continuous operation.
- **Triple Alarm Protection:** Includes audible (120 dB), visual (LED), and vibration alerts that activate when gas

concentration exceeds preset levels.

- **Rugged and Portable Housing:** Constructed from industrial-grade ABS and PC materials, resistant to dust, water, and impact. Designed with a strong back clip for easy carrying.
- **Reliable Sensors:** Equipped with advanced sensors offering 15 to 24 months of stable performance.
- **Factory-Calibrated:** Each device is tested before shipping for immediate use.

# Fast Detection Reliable Protection

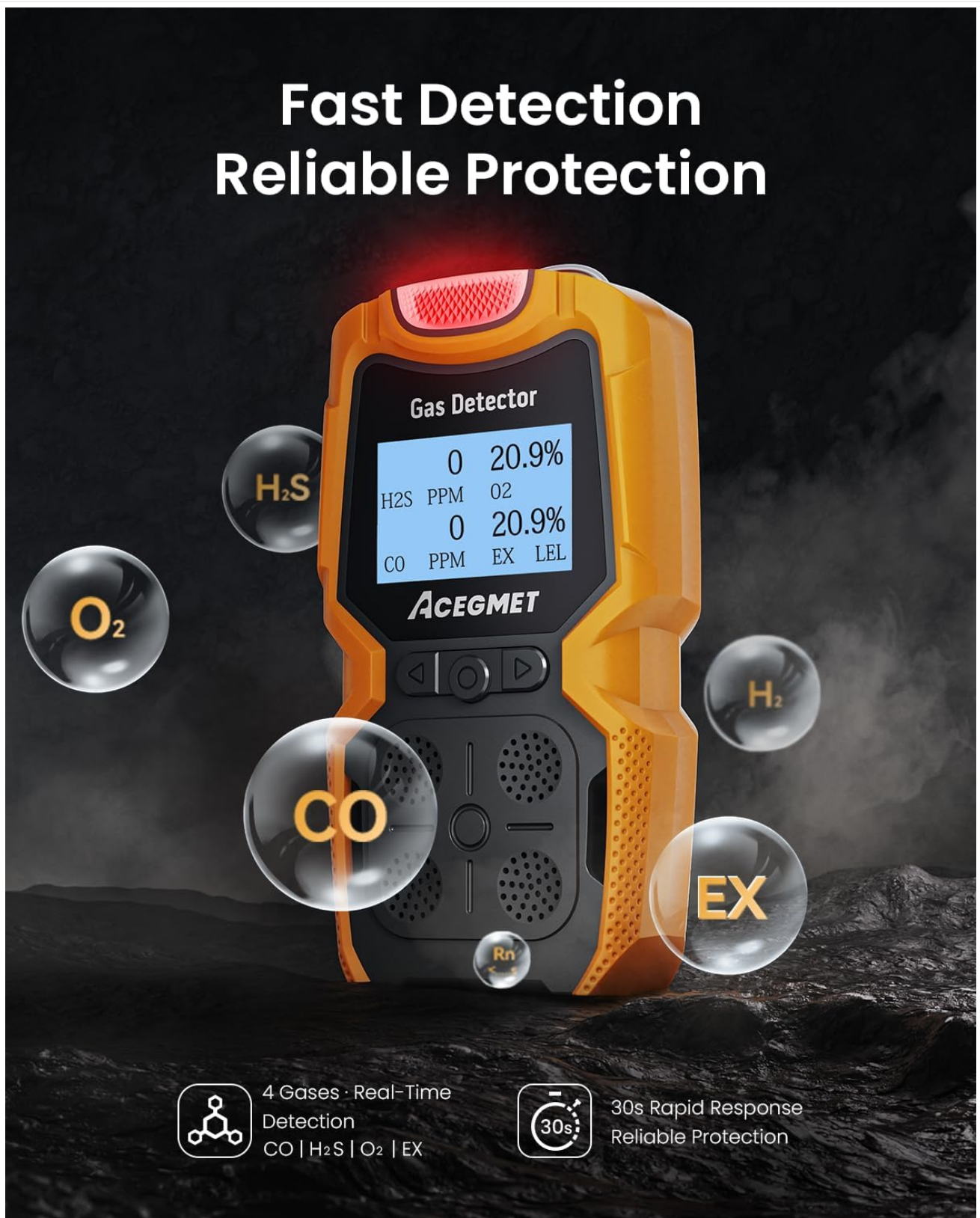


Image: The ACEGMET MG10 Gas Detector showing its display with readings for four different gases, highlighting its fast detection capabilities.

## 5. SETUP

## 5.1 Initial Charging

Before first use, fully charge the device. Connect the provided Type-C charging cable to the charging port on the top of the detector and plug the other end into a compatible USB power adapter.

- The charging indicator will illuminate during charging.
- A full charge typically provides up to 14 hours of continuous operation.

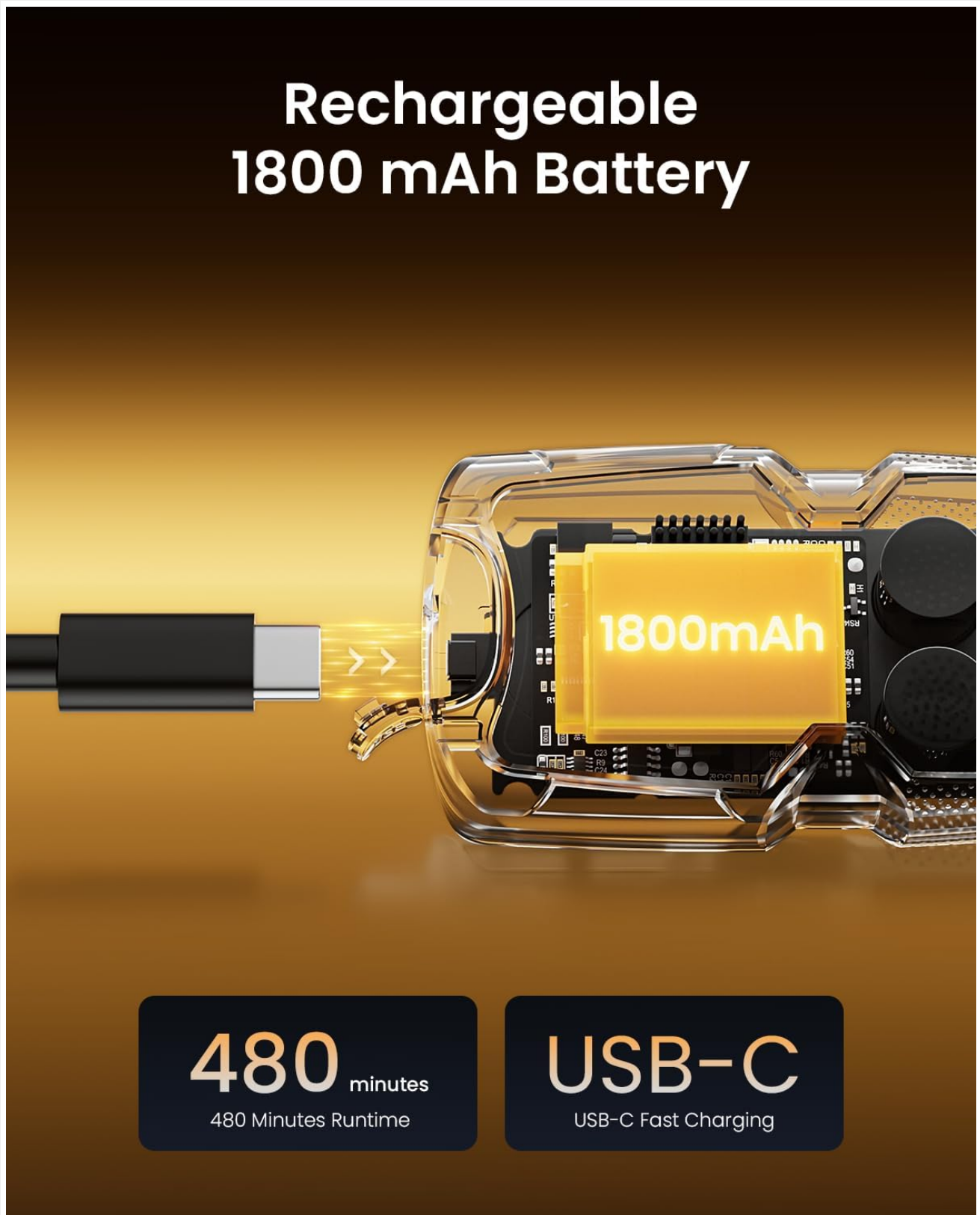


Image: Illustration of the ACEGMET MG10's internal 1800mAh battery being charged via its USB-C port.

## 5.2 Power On/Off

- **To Power On:** Press and hold the power button until the device vibrates and the screen illuminates. The device will perform a self-check.
- **To Power Off:** Press and hold the power button until the device prompts you to confirm shutdown. Confirm to power off.

## 5.3 Basic Settings

Access the menu to adjust settings such as time, date, and alarm thresholds. Refer to the on-screen prompts for navigation using the device's buttons.

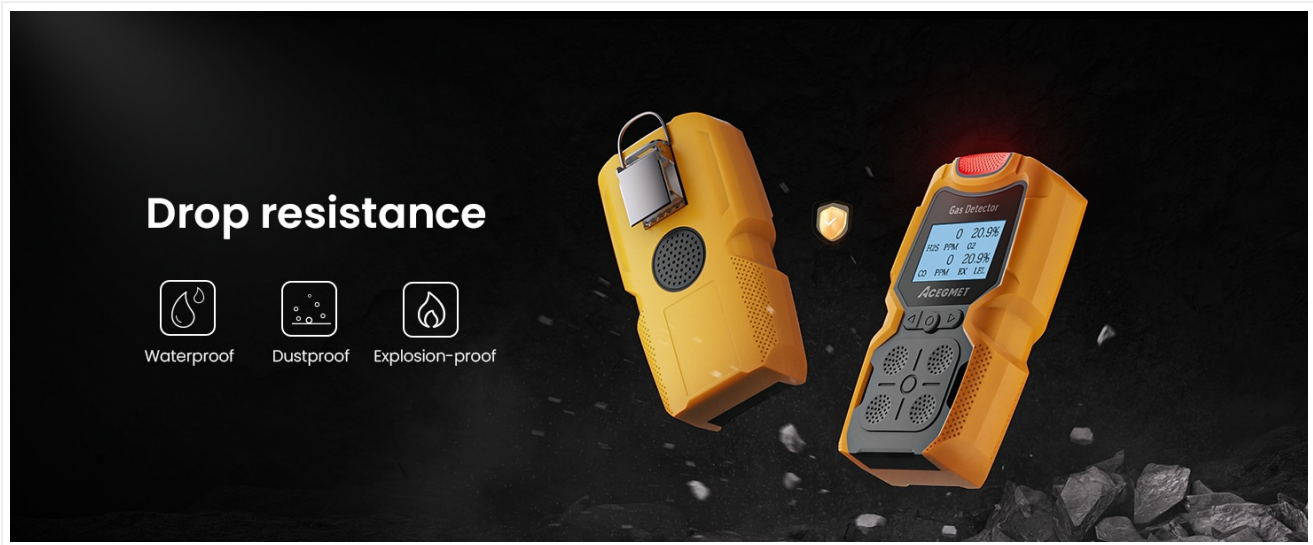


Image: The detector's screen displaying menu options for setting time and a new password, indicating customizable settings.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Real-time Monitoring

Once powered on, the device will display real-time concentrations of H<sub>2</sub>S, O<sub>2</sub>, CO, and LEL on its screen. Ensure the sensor area is unobstructed for accurate readings.

# Auto Record Alarm Data



Image: A detailed view of the detector's display, showing current gas levels for H2S, O2, CO, and LEL.

## 6.2 Alarm System

The MG10 features three types of alarms:

- **Audible Alarm:** A loud sound (up to 120 dB) will emit from the device.
- **Visual Alarm:** The LED indicator on the top of the device will flash.
- **Vibration Alarm:** The device will vibrate to provide a tactile alert.

These alarms activate instantly when gas concentrations exceed the preset low or high alarm thresholds. Respond

immediately to any alarm.

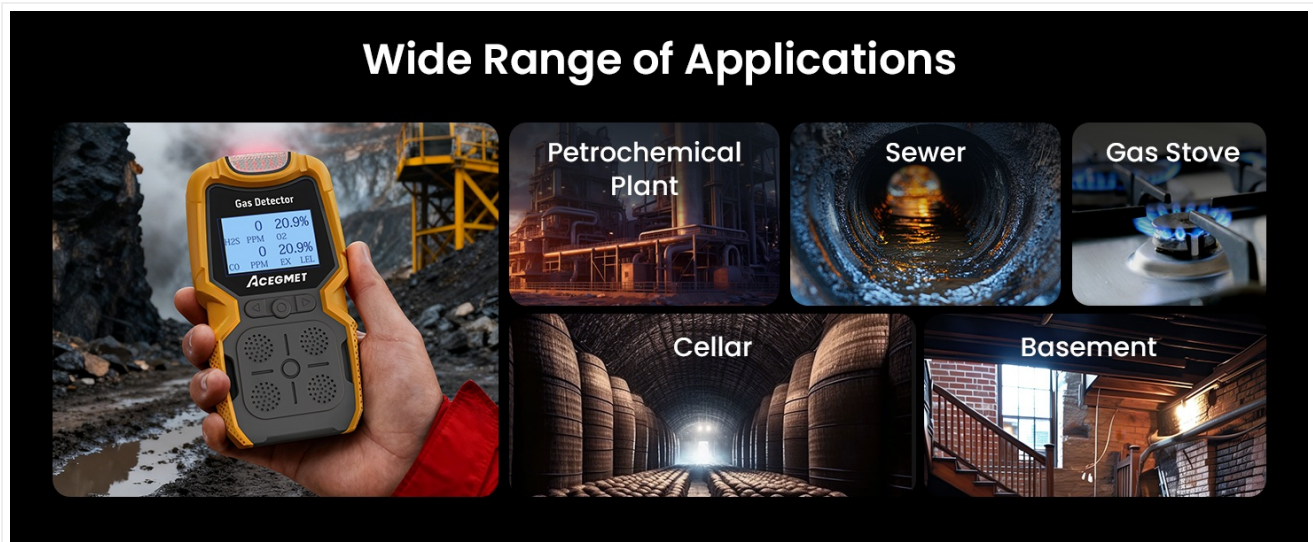


Image: Visual representation of the detector's audible, visual, and vibration alarm mechanisms.

### 6.3 Carrying the Device

The MG10 is equipped with a strong back clip for easy attachment to clothing, belts, or gear, ensuring it is always accessible and visible during use.

# Clip & Go Design

Waterproof, Dustproof, Explosion-Proof



Image: A person wearing the gas detector clipped to their work attire, illustrating its portable and secure design.

## 6.4 Using the Nozzle Attachment

For specific testing of gas lines or concentrated sources, attach the provided nozzle to the front sensor area. This helps to block outside air and allows for more direct readings from the gas source.

## 7. MAINTENANCE

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### 7.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the sensor area is kept clean and free of dust or debris.

## 7.2 Sensor Lifespan

The advanced sensors in the MG10 are designed for 15 to 24 months of stable performance. Regular checks and professional calibration are recommended to ensure continued accuracy.

## 7.3 Storage

Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

# 8. TROUBLESHOOTING

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- **Inaccurate Readings:** Ensure the sensor area is clean and unobstructed. Consider professional calibration if readings remain inconsistent.
- **Device Not Powering On:** Check battery level and ensure the device is fully charged.
- **Alarms Triggering Unexpectedly:** Verify alarm threshold settings. If the issue persists in a clean environment, the sensor may require calibration or service.
- **Charging Port Cover Issues:** Ensure the Type-C charging port cover is properly seated to maintain dust and water resistance. If it does not seal, contact support.
- **Voice Prompt:** The device includes a voice prompt for alarms. There is no option to disable this feature.

# 9. SPECIFICATIONS

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Feature	Specification
Brand	ACEGMET
Model Number	MG10
Power Source	Battery Powered (Lithium Ion)
Battery Life	Up to 14 hours continuous operation
Charging Port	Type-C
Product Dimensions	1.5"D x 3"W x 5.5"H (approx.)
Item Weight	14.4 ounces (approx.)
Alarm Type	Audible, Visual (LED), Vibration
Gas Detection	CO, O2, H2S, LEL (Combustible Gases)
Sensor Performance	15 to 24 months stable performance

# Product Dimensions



Image: Detailed product dimensions of the ACEGMET MG10 Gas Detector.

## 10. WARRANTY AND SUPPORT

ACEGMET is committed to providing quality products and service. For any questions, technical support, or warranty claims, please contact ACEGMET customer service through the retailer's platform or the official ACEGMET website. Please retain your purchase receipt for warranty purposes.

