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BW Technologies MCXL-XWHM-B-NA

BW Technologies GasAlertMicroClip XL 4 Gas Detector User Manual

Model: MCXL-XWHM-B-NA

This manual provides essential information for the safe and effective use of your GasAlertMicroClip XL detector.

1. INTRODUCTION

The BW Technologies GasAlertMicroClip XL is a compact and reliable four-gas detector designed to provide continuous monitoring for hazardous atmospheric conditions. This device offers protection against hydrogen sulfide (H₂S), oxygen (O₂) deficiency or enrichment, carbon monoxide (CO), and combustible gases (LEL).

Its user-friendly design, featuring simple one-button operation, minimizes training time and allows personnel to focus on their tasks while ensuring safety. The detector is equipped with a clear LCD screen and the IntelliFlash feature for visual compliance at a glance.

2. SAFETY INFORMATION

Important: Read this manual thoroughly before operating the GasAlertMicroClip XL. Failure to follow instructions may result in serious injury or death.

- Always perform a bump test and calibration before each use or as required by local regulations.
- Ensure the detector is charged and fully functional before entering any potentially hazardous environment.
- Do not attempt to repair or modify the device. Refer all servicing to authorized personnel.
- Be aware of alarm conditions and understand appropriate response procedures.
- Protect the device from extreme temperatures, water, and physical impact.

3. PRODUCT OVERVIEW

The GasAlertMicroClip XL is designed for personal safety and ambient air monitoring. It continuously displays real-time gas concentrations and alerts users to hazardous levels through visual, audible, and vibratory alarms.



Figure 1: Front view of the BW Technologies GasAlertMicroClip XL 4 Gas Detector, displaying readings for H₂S, O₂, CO, and LEL. The device features a clear LCD screen and four control buttons.

Key Features:

- Four-gas detection: H₂S, O₂, CO, and LEL.
- Compact and lightweight design for comfortable wear.
- Simple one-button operation.
- Flashing green IntelliFlash for visual compliance.
- LCD screen displaying gas concentrations, battery level, and alarm status.



Figure 2: Side view of the BW Technologies GasAlertMicroClip XL 4 Gas Detector, illustrating its compact size with a height of 5.3 inches (13 cm) for easy portability.

4. SETUP

1. **Initial Charge:** Connect the detector to the charging cable. Ensure the device is fully charged before first use. A full charge typically takes several hours.
2. **Power On:** Press and hold the power button until the device powers on and performs its self-test.
3. **Bump Test:** Before each day's use, perform a bump test. Attach the calibration cap and apply the appropriate test gas. The device will verify sensor response.
4. **Calibration:** Regular calibration is crucial for accuracy. Refer to the maintenance section for detailed calibration procedures.

5. OPERATING INSTRUCTIONS

The GasAlertMicroClip XL is designed for continuous monitoring in your work environment.

- **Monitoring:** Once powered on and successfully bump tested, the device will continuously display current gas concentrations.
- **IntelliFlash:** A green flashing light indicates that the detector is functioning correctly and has passed its last bump test.

- **Alarm Conditions:** If gas concentrations exceed preset alarm levels, the detector will activate visual (flashing lights), audible (beeping), and vibratory alarms. Immediately follow your company's safety protocols upon alarm activation.
- **Battery Level:** The LCD screen displays the current battery level. Recharge the device when the battery indicator is low.
- **Power Off:** Press and hold the power button to turn off the device. Confirm shutdown when prompted.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your gas detector.

- **Daily Bump Test:** Perform a bump test daily or before each shift to confirm sensor and alarm functionality.
- **Regular Calibration:** Calibrate the detector regularly (e.g., monthly or quarterly, depending on usage and regulations) using certified calibration gas. The BW MicroDock II automatic test and calibration system can streamline this process.
- **Cleaning:** Keep the detector clean and free from dust and debris. Use a soft, damp cloth for cleaning the exterior. Do not use harsh chemicals.
- **Battery Care:** Recharge the lithium-ion battery as needed. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Sensor Replacement:** Sensors have a limited lifespan. Monitor sensor performance during calibration and replace them when they no longer meet specifications.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector fails bump test	Blocked sensor, expired gas, sensor fault, incorrect gas flow.	Check gas cylinder, ensure proper gas flow, clean sensor inlet, attempt calibration. If issue persists, sensor may need replacement.
Detector fails calibration	Expired calibration gas, incorrect gas concentration, sensor fault, environmental interference.	Verify calibration gas expiration date and concentration. Ensure stable environment. If O ₂ sensor fails repeatedly, it may require replacement.
Short battery life	Battery degradation, frequent alarms, cold weather operation.	Ensure full charge. Operate within specified temperature range. Battery may need replacement if degradation is significant.
No display or unresponsive buttons	Low battery, device malfunction.	Charge the device. If still unresponsive, contact customer support.

For issues not listed here, or if solutions do not resolve the problem, contact BW Technologies customer support or an authorized service center.

8. SPECIFICATIONS

Feature	Detail
Model Number	MCXL-XWHM-B-NA
Gases Detected	H2S, O2, CO, LEL
Dimensions (Package)	7.6 x 5.51 x 3.07 inches
Item Weight	6 Ounces
Power Source	Battery Powered (1 Lithium Ion battery included)
Case Material	Rugged, Impact-resistant, Non-corrosive Composite
Operating Humidity	95 percent (non-condensing)
Alarm Type	Visual, Audible, Vibratory
Manufacturer	Honeywell International, Inc

9. WHAT'S IN THE BOX

Upon unpacking, ensure all items are present:

- Gas Detector (BW Technologies GasAlertMicroClip XL)
- Charging Cable
- Calibration Cap
- Tubing

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official BW Technologies website. For technical support, service, or to inquire about replacement parts, please contact your authorized distributor or BW Technologies customer service.

Manufacturer: Honeywell International, Inc.

For further assistance, you may visit the BW Technologies brand page on Amazon.