

BW Clip is a portable, single-gas detector manufactured by BW Technologies by Honeywell (BW). BW Clip continuously measures WH□ FFEHWUWLRBMSSHFLFLMWHBELHWHYLURPHWBLWLYWVDP□ HEREFWUWLRVHEHHUPVHWSRLWVWLVBU□ responsibility to respond appropriately to the alarms.

ISLVBHPEHURWVHMHWBLRSUREWVWVLERPSWLEH□ WHLRIFURRFNIVRPWLFWHVWLEUWLRWVWLRVMMHJHHW□ BUVRWUHYHUVLRBUBUJURPRUHLRUPWLRVWLVWVHSUREW□ HEVLWHVBBHWLEVERP

Safety Information: Read First

⚠ WARNING

- Substitution of components may impair Intrinsic Safety.
- 2. Periodically test the response of the sensor by exposing the detector to a target gas concentration that exceeds the low alarm setpoint. Manually verify that the audible and visual alarms are activated.
- 3. Detectors in hibernation mode are not functional.

⚠ CAUTION

1. Activate the detector before the activation date on the package.
2. This product is a gas detector, not a measurement device.
3. Ensure that the sensor grill is free of dirt, debris, and is not obstructed.
 - Clean the exterior with a soft, damp cloth.
5. Bump test the detector in a normal atmosphere that is free of hazardous gas.
 - For optimal performance, periodically zero the sensor in a normal atmosphere (20.9% v/v O₂) that is free of hazardous gas.

Informations de sécurité – À lire au préalable

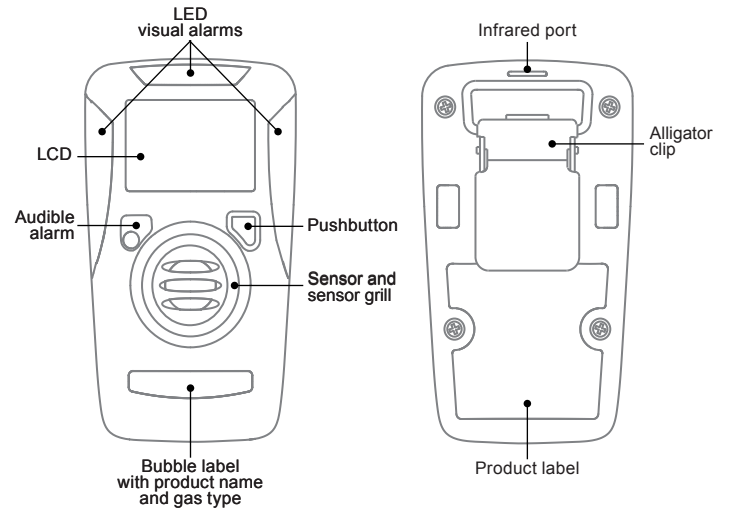
AVERTISSEMENT

1. Le remplacement d'un composant de l'appareil peut compromettre la sécurité intrinsèque du détecteur.
2. Testez périodiquement la réponse du capteur en exposant le détecteur à une concentration de gaz supérieure au seuil d'alarme basse. Vérifiez manuellement que les alarmes sonores et visuelles sont activées.
3. □ Détecteurs en mode veille prolongée ne sont pas fonctionnels.

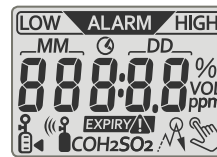
MISE EN GARDE

- Activez le détecteur avant la date d'activation sur l'emballage.
- 2. Ce produit est un détecteur de gaz, pas un dispositif de mesure.
 - Veillez à assurer que la grille du capteur est exempt de saleté, les débris, et ne soit pas obstrués.
 - Nettoyez l'extérieur de l'appareil à l'aide d'un chiffon doux et humide.
- 5. Veillez à effectuer un test fonctionnel du capteur dans une atmosphère normale qui est exempte de gaz dangereux
- 6. Pour des performances optimales, zéro périodiquement le capteur dans une atmosphère normale (20,9% v/v O₂) qui est exempte de gaz dangereux.

Getting Started



LCD and Symbols



	Pushbutton prompt. When this symbol is displayed, press and hold the pushbutton until the symbol disappears.
	BW Clip O ₂ models only. Oxygen concentration is measured as percent by volume.
	BW Clip H ₂ S, CO and SO ₂ models only. Toxic gas concentration is measured in parts per million.
	Low alarm and high alarm. These symbols are displayed when a gas concentration that exceeds alarm setpoints is detected.
	Non-compliance warning. This symbol is displayed when a diagnostic or compliance test fails; when the operating life countdown reaches 24 hours or less; and for up to 30 days after operating life expiry. It is also displayed when certain notifications are enabled through Fleet Manager II via an IntelliDoX station.
	Real-time clock. This symbol is displayed when real-time clock is enabled through Fleet Manager II via an IntelliDoX station.
	End of operating life warning. This symbol is displayed when the operating life countdown reaches 24 hours or less.
	Peak reading. This symbol is displayed when a maximum gas exposure event has occurred within the past 24 hours.
	Bump test reminder. If the detector is configured to display a bump test reminder, this symbol is displayed when a bump test is due. X indicates a failed test.
	BW Clip O ₂ models only. This symbol is displayed when more than 24 hours have elapsed since the last successful zero procedure was performed. X indicates a failed test.
	Operating life remaining in months (MM) or days (DD).

Corporate Headquarters Calgary, Alberta 50105442-006/A English/English						
China RoHS 2 Card						
Part or Assembly Name	Hazardous Substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated diphenyl ethers (PBDE)	Polybrominated diphenyl ethers (PBDE)
Gas Sensors	X	0	0	0	0	0
Circuit Board Assembly	0	0	0	0	0	0
Enclosure Material	0	0	0	0	0	0
All parts and assemblies not listed in this table contain hazardous substances below the limit requirements of GB/T 26572. This table is prepared in accordance with the provisions of SJ/T 11364. 0: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572. X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.						
中文						
公司总部 Calgary, Alberta 50105442-006/A 中文/Chinese						
中国 RoHS 2 信息						
部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
传感器	X	0	0	0	0	0
电路板元件	0	0	0	0	0	0
外壳	0	0	0	0	0	0
本表格中未列出的所有部件和配件包含的有害物质都没有超过GB/T 26572所要求的限制。 本表格依据SJ/T 11364的规定编制。 0: 表示该有害物质在该部件所有均质材料中的含量均在GB/T26752规定的限量要求以下。 X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T26572规定的限量要求。						
English						

BW Clip Factory Calibration Certificate

This instrument was factory inspected, tested and calibrated in accordance with the conditions and requirements of our registered Quality System, Operating Standards and Sales Agreements.

Recall Events and Settings

When the detector is in normal operating mode, press the pushbutton at any time to scroll through events and settings that are not empty or disabled through Fleet Manager II via an IntelliDoX station. Events and settings are displayed in this order:

1. **Peak Reading**, if available, and when a maximum gas exposure event has occurred within the past 24 hours.
2. **Time of Peak Reading**, if Real-time Clock display is enabled.
3. **Low Alarm Setpoint**
4. **High Alarm Setpoint**
5. **Real-time Clock**, if enabled.
6. **Firmware Version**
7. **Next Bump Due**, if enabled.
8. **Hibernation**, for 2-year H₂S and CO hibernation models only.

While an event or setting is displayed, press the pushbutton to scroll to the next available event or setting. If you do not press the pushbutton, or if you have reached the last available event or setting, the detector returns to normal operation.

Zero the Sensor

Over time and through use, the sensor baseline at zero exposure may drift from the manufacturer's baseline. For optimal performance of O₂ models, BW recommends that you zero the O₂ sensor once every 24 hours or when the **Automatic Zero Reminder** is displayed. For all other models, BW recommends that you zero the sensor periodically.

Zero Procedure



1. Move to a normal atmosphere (20.9% v/v O₂) that is free of hazardous gas.
2. Press and hold the pushbutton until a 5 second countdown is displayed, and then continue to hold until the countdown is complete.
3. When the countdown is complete, the **Zero** procedure begins and **ZEro** is displayed.
4. When **Zero** is successful, **PASS** is displayed, and then the detector returns to normal operation.
5. If **Zero** is not successful, the non-compliance LED flashes. **FAIL** and the non-compliance warning symbol are displayed. Press the pushbutton to acknowledge the result and return to normal operation. The non-compliance warning symbol is displayed and the non-compliance LED flashes. Perform the **Zero** procedure again. If the procedure fails again, contact BW.

Bump Tests

When the detector is configured to display a bump test reminder, the bump test symbol is displayed when a bump test is due. For best results, bump test the detector via an IntelliDoX or MicroDock II station. Bump tests performed via an IntelliDoX or MicroDock II station are logged as bump tests. Manual bump tests are logged as unsafe gas concentrations.

Event Logs

The detector stores the last 35 events that occurred, including peak readings, bump tests and auto zeros. Each record contains:

- detector serial number, sensor type and life-remaining;
- total number of events that have occurred;
- event type and duration;
- alarm level(s) in ppm or %;
- time elapsed since the alarm occurred in days/hours/minutes;
- duration of the alarm (minutes/seconds).

Use Fleet Manager II via an IntelliDoX or MicroDock II station to transfer event logs from the detector to a computer. When logs are transferred via an IntelliDoX station, the most recent 35 events are transferred. When logs are transferred via a MicroDock II station, the most recent 10 events are transferred.

Optional Settings

Use Fleet Manager II via an IntelliDoX station to enable the following optional settings for BW Clip detectors.

Display Gas Reading During Alarm



When **Display gas reading during alarm** is enabled, the gas concentration is displayed when a gas alarm event is detected. The gas concentration is displayed until the alarm event ends.

Non-compliance After Gas Exposure

When **Non-compliance after gas exposure** is enabled, the LEDs flash in an alternating pattern when the sensor is exposed to a gas concentration that exceeds alarm setpoints. When the gas exposure is detected, the top LEDs flash. After 30 seconds, the side LEDs flash. After 30 seconds, the pattern repeats until more than 24 hours have passed since the last alarm, or when a successful bump test is performed via an IntelliDoX or MicroDock II station.

Real-time Clock Display



When **Real-time Clock Display** is enabled, you can display the current time by pressing the pushbutton to **Recall Events and Settings**, and then continuing to press the pushbutton until the time is displayed.



Time may be displayed in 12-hour or 24-hour clock format.

Hibernation

Hibernation is a factory installed feature that is available for 24-month H₂S and CO detectors. When **Hibernation** is activated, the operating life countdown is suspended. Use **Hibernation** to deactivate the detector for 7 days or longer, up to a maximum of 12 months. When **Hibernation** is activated, all detector safety functions are disabled.

Activate Hibernation via BW Clip Hibernation Case



1. Have ready a BW Clip Hibernation Case. To purchase a Case, contact BW or an authorized distributor.
2. Move to a normal atmosphere (20.9% v/v O₂) that is free of hazardous gas.
3. Verify that the detector is in normal operating mode.
4. Press the pushbutton to **Recall Events and Settings**, and then continue to press the pushbutton until **Hib** is displayed.



5. While **Hib** is displayed, press the pushbutton until a 5 second countdown is displayed. When the countdown is complete, the 20-second **Hibernation** counter is displayed.
6. While the **Hibernation** counter is displayed, place the detector into a BW Clip Hibernation Case and then close the case firmly. The detector enters **Hibernation** mode. All detector safety functions are disabled.
7. To reactivate the detector, open the case.

Activate Hibernation through Fleet Manager II via IntelliDoX

1. Use Fleet Manager II to activate **Hibernation on Insertion** via an IntelliDoX station, and then insert the detector in the configured station. The detector event logs are retrieved, and the detector enters **Hibernation** mode. All safety functions are disabled, and the detector may be removed from the IntelliDoX station.
2. To reactivate the detector, press and hold the pushbutton until a 5 second countdown is displayed, and then continue to hold until the LCD and LEDs turn on and off. The detector performs a self-diagnostic test. When the test is successful, the type of gas detected and the remaining operating life are displayed. The detector is in normal operating mode.
3. For more information, refer to the operator manuals for the IntelliDoX station and Fleet Manager II software version 4.0 or higher.

