

## FREQUENTLY ASKED QUESTIONS



### BW Clip4

#### Low-Maintenance Multi-Gas Detector

The BW Clip series revolutionized wearable single gas detection with the safety of always-on simplicity. And now we've done it again – introducing the new low-maintenance BW Clip4 multi-gas detector from Honeywell. No charging, no sensor or battery replacements, no hassle. Just clip it on and get the job done. Because for two years, you know – it's on.

**Q: What is the difference in the BW Clip4 that allows it to last for two years on a single charge, compared to current multi-gas detectors?**

**A:** Most of today's multi-gas detectors use catalytic bead technology for sensing combustible gas. While this technology is proven and provides accurate detection of combustible gas, it also draws a significant amount of power as it has to heat up reference beads. Because of the power draw, portable-sized batteries only have enough capacity to power the units for typically less than 1 day.

The BW Clip4 uses the latest in low power infrared (IR) sensing technology to detect for combustible gases. The lower power IR sensor used in the BW Clip4 draws thousands of times less power than a conventional catalytic bead sensor.

The BW Clip4 combines this low power IR technology with the already proven low power circuitry, used in the BW Clip single gas detector, to reliably run for two years without having to charge the unit or turn it off.

**Q: What does a user need to consider when using a low power IR combustible sensor compared to a conventional catalytic bead sensor?**

**A:** The low power IR combustible is a reliable way to detect most combustible gases in LEL readings and also provide a multi-gas detector with a 2-year run time. However, there are some limitations that users need to consider before they purchase any unit with a low power IR combustible sensor. The main limitation for this sensor is its ability to detect certain combustible gases like hydrogen (H<sub>2</sub>) and acetylene (C<sub>2</sub>H<sub>2</sub>), two gases that are often present in industrial applications. Anyone purchasing these detectors should be educated about what gas hazards are present in their application. In applications where hydrogen or acetylene is present, it is recommended that customers use a multi-gas detector that is equipped with catalytic bead sensing technology like the GasAlertMicroClip XL or GasAlertMicroClip X3.

A great resource to learn about combustible sensing technologies is the white paper published by Honeywell Analytics titled *What Happens When Things Go Kaboom*.

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**Q: What gases can I use to calibrate and bump test the BW Clip4?**

**A:** A quad-gas mix of gas containing oxygen (O<sub>2</sub>), methane (CH<sub>4</sub>), carbon monoxide (CO) and hydrogen sulfide (H<sub>2</sub>S) should be used to calibrate and bump test the BW Clip4. The low power IR sensor can only be calibrated with methane as they are calibrated from production to only see methane in a one to one ratio.

**Q: Can I use correction factors on the LEL channel to get an accurate reading for combustible gases other than methane?**

**A:** You will not be able to set LEL correction factors or calibrate to a target LEL gas other than methane. The BW Clip4 will still provide an LEL reading when other combustible gases like propane and pentane are present. However, the low power IR LEL sensor will not follow the same correction factor curve a conventional catalytic bead sensor would.

**Q: What docking system will the BW Clip4 work with? Will it be compatible with the MicroDock II system?**

**A:** The BW Clip4 will only work with the IntelliDox docking and instrument management system. It will not work with the MicroDock II system.

**Q: What software system will the BW Clip4 work with?**

**A:** The BW Clip4 will work with the Fleet Manager II system at launch. An update for the Fleet Manager II system will be released at the time of the BW Clip4 launch to enable support of the BW Clip4.

**Q: What is the warranty on the BW Clip4?**

**A:** The BW Clip4 comes with a 2-year warranty that starts at the time of instrument activation unless the instrument is activated after the 6-month shelf life period. If the 6-month shelf life is exceeded before the BW Clip4 instrument is activated, the warranty will start at the shelf life expiration date.

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**Q: Will the BW Clip4 obsolete the GasAlertMicroClip series of products?**

**A:** No. The BW Clip4 provides a maintenance-free multi-gas option to customers who value a no-charge detector with little to no maintenance. The GasAlertMicroClip XL and GasAlertMicroClip X3 provide users with an option to detect for LEL gases that cannot be detected with a low power IR sensor. The GasAlertMicroClip XL and GasAlertMicroClip X3 also provide users a best-in-class solution for cost effective long term ownership.

**Q: Can I replace the batteries or sensors?**

**A:** The BW Clip4 is designed to be operate for 2 years and then be replaced. All components are designed to last for the two-year operational life of the unit. Once the two-year operational life of the unit expires the entire unit should be properly disposed of and a new BW Clip4 unit purchased. Changing batteries or sensors during the warranty period will render the BW Clip4 expired and will also void the warranty.

There are only two replacement items that can be replaced on the BW Clip4 – the sensor filter located just inside the front shell and the alligator clip located externally on the back shell.

**Q: Why is this product Honeywell branded and not BW Technologies branded?**

**A:** BW Technologies by Honeywell has been the global compliance portable gas detection leader for many years. Since the 2006 acquisition by Honeywell, BW Technologies has remained the global compliance portables gas detection leader and has been combined with other great gas detection manufactures to turn Honeywell into the overall global gas detection leader. Going forward, all new gas detection products from Honeywell will be branded Honeywell to help us align under one brand globally. However, customers can rest assured knowing that everything that made BW Technologies products great will continue forward with the Honeywell brand.

**Q: What are my options for ordering the BW Clip4?**

**A:** The BW Clip4 is offered as a 4-gas version only. There will be no option to order a 1-, 2- or 3-gas version. Customers will have the option of ordering yellow or black housing options as well as the regional set-point option.

Please refer to the BW Clip4 order sheet for all available SKUs in your region.

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**Q: Does the BW Clip4 operate the same way as previous BW products?**

**A:** Like most other BW products, the BW Clip4 uses one-button operation to turn the unit on and complete the needed actions.

The BW Clip4 has implemented a new menu structure to simplify the user interaction with the detector when having to access information or complete an action. By easily accessing the menu, a user can then review detector information as well as complete an auto zero, bump test and calibration.

**Q: What data does the BW Clip4 collect?**

**A:** The BW Clip4 has a built-in event logger that will capture the latest 70 events. An event includes an alarm (including the peak reading and time in alarm), bump test and calibration.

The BW Clip4 does not have a datalogger and is unable to collect readings at defined intervals.