

Honeywell BW™ Ultra

Reliable and User-Friendly Gas  
Detection in Confined Spaces.

**Extra Detection.  
Ultra Protection.**

# Honeywell BW™ Ultra: a Portable Five-Gas Detector Designed *Specifically* for Use in a Confined Space

At Honeywell, we always put your safety where it should be – first. With Honeywell BW™ Ultra, our portable five-gas detector, you will be able to do the same for your workers. Designed specifically for sampling and monitoring confined spaces, before and after entry, Honeywell BW™ Ultra offers enhanced sensor technology, visibility on gas readings, comfort, and connectivity. This makes it more reliable and provides an intuitive user experience, helping to prevent a potential gas safety incident.

## Do you need to sample or monitor a confined space for dangerous gases?

The Honeywell BW™ Ultra pumped detector is made specifically to help you to:

- Clear a confined space for entry and continually monitor it while workers are inside
- Regularly sample a confined space as part of your permit requirements
- Protect your workers and operations

## The Honeywell BW™ Ultra is a more reliable, user-friendly way to prevent a gas safety incident. It features:

- Larger dot matrix LCD screen for easy viewing
- Enhanced situational awareness for the hole watch
- The new 1-Series sensor for enhanced reliability
- Honeywell TouchConnect™ Technology for quicker instrument management
- Remote monitoring for an additional layer of protection



*With an internal pump that's always running, the Honeywell BW™ Ultra pulls air through a sampling hose and assesses it for gas hazards, giving you an easy-to-read picture of safety.*

# A whole new experience in confined-space gas detection. It has never been easier to be this vigilant.



Large dot matrix LCD screen  
for easy viewing

## Ultra Visibility on Gas Readings

When you're sampling gases in a confined space, you need to constantly watch the readings on your gas detector, and the Honeywell BW™ Ultra makes them easy to see. The detector has a 8.1 cm (3.2 inch) screen and very high resolution, so you can quickly determine the level of each gas.

## Goes Where You Do

Designed for durability, the Honeywell BW™ Ultra stands up to harsh conditions. With a very high rating of IP66/68, the Honeywell BW™ Ultra is protected not only from dust but also from water ingress (high pressure spray or submersion up to 1.2 m or 3.9 ft. deep). So if you drop the Honeywell BW™ Ultra in a vat or take it into a dust-prone environment, you can feel completely confident that it will continue to operate effectively.

## Ergonomic and Comfortable to Hold

Unlike gas detectors that you wear, the Honeywell BW™ Ultra is a detector that you hold as you sample the air in a confined space. That's why we designed the Honeywell BW™ Ultra to fit the shape of your hand – with a comfortable weight and a slimmer profile than other five-gas detectors – to prevent fatigue and increase productivity.



Designed for your hands,  
with or without gloves..

Plus it has the one-button operation and easy experience you've come to expect from Honeywell BW detectors. If you do need to wear the Honeywell BW™ Ultra as you navigate a tight space, the detector moves with you – with an internal pump and no snag points.

## Five Sensors for the Hazards in Your Environment

The Honeywell BW™ Ultra simultaneously detects the four gases you're required to monitor in confined spaces:

- Oxygen (O<sub>2</sub>)
- Carbon monoxide (CO)
- Hydrogen sulfide (H<sub>2</sub>S)
- Combustibles at the lower explosive limit (LEL: % LEL or % vol.)

Plus there's a fifth sensor for the gas of your choice, ranging from sulfur dioxide (SO<sub>2</sub>) to chlorine (CL<sub>2</sub>) to volatile organic compounds (VOCs). So whether you have operations in oil and gas, pulp and paper, water treatment, marine, chemical plants, or other industries, you can add a fifth level of protection for your confined space entries.



# Real-time situational awareness in confined space monitoring – so you can make fast decisions to protect workers inside.



*Confined space attendants are your safety watchmen. Do they have the right gas detector for the job? The Honeywell BW™ Ultra is made for monitoring confined spaces.*

Each year, industrial companies spend millions of dollars related to safety incidents in confined spaces, often because they focus on reactive response versus proactive threat monitoring.

The Honeywell BW™ Ultra helps you to prevent safety incidents by providing clear, easy-to-read gas data to the attendant standing outside a confined space while workers are inside. With gas readings that are easy to view and interpret, the attendant can correct small problems before they become a crisis –providing workers with peace of mind that someone is watching their back. This means better safety and higher productivity

## Remote, Real-Time Monitoring for High-Risk Jobs

Honeywell BW™ Ultra is compatible with the Honeywell Safety Communicator mobile app, which means that vital gas readings on the detector are no longer limited to the confined space attendant who's using it.



Monitoring a high-risk job in a confined space? The detector's gas readings and location can be instantly sent via Bluetooth to Honeywell's real-time monitoring software, viewable from a control room or other remote locations. So, if there's an emergency, you have an extra layer of monitoring for coordinated response.

## Hole Watch Mode – for Easy-to-Understand Gas Concentrations

When you're monitoring a confined space that has workers inside, it's important to track changes in the gas concentration. But what does a concentration of 5 ppm really mean?

When you put the Honeywell BW™ Ultra into Hole Watch Mode, you can see the concentration of each gas – plus a graph next to every reading that shows how close the gas is to the point of alarm. With this patented Honeywell feature, you can see how fast each gas level is climbing, so you can correct small problems before they cause worker injury, evacuation, or complete shutdown.



*See quick gas level changes in real time. Only from Honeywell.*

# Next generation smart 1-Series sensor – for fast response, reliable performance, and long life.

The Honeywell BW™ Ultra breaks the mold of other portable gas detectors with the 1-Series sensor, which is compact, square, and one-third the height of the industry standard. That slim profile makes for a lighter, slimmer detector and also ensures quicker sensor response time, because the gas diffuses into it more quickly.

These LEL, O<sub>2</sub>, H<sub>2</sub>S and CO sensors respond within seconds, alerting you to dangerous gas levels so you can quickly take action.



## Repeatable performance without nuisance alarms – even in extreme conditions

Despite the small size of the 1-Series sensor, it delivers consistently accurate readings, standing up to temperatures from -40°C to 60°C – plus transient pressure, humidity, and other environmental extremes. So no matter how harsh your confined space, the Honeywell BW™ Ultra will continue detecting dangerous gas.

## The highest standards of sensor quality and reliability

Honeywell developed the 1-Series sensor in partnership with City Technology, a global manufacturer of gas sensors for more than 40 years. This sensor follows in the footsteps of the City 4OXV oxygen sensor for GasAlert detectors and the City 4OxLL long-life oxygen sensor for the GasAlertMicroClip X3. So you can trust that the 1-Series sensor has the most exacting standards of quality and reliability.

## Up to five years of sensor life

With some gas detectors from other brands, sensors wear out very quickly and soon (or immediately) need replacement, which can add cost and downtime. But with the Honeywell BW™ Ultra, the 1-Series sensors last up to five years, depending on their gas exposure. With that long sensor life, backed by a three-year warranty on the Honeywell BW™ Ultra, you can have confidence in your detector performance while reducing your cost of ownership.

**Minimize your cost of ownership.  
Maximize your confidence.**

# Honeywell TouchConnect™ Technology for time saving instrument management.

Honeywell's TouchConnect™ Technology brings Bluetooth technology to gas detection users. Simply activate your Bluetooth TouchConnect™ device and it will allow you to change a number of BW Ultra devices that are within range. It will allow you to change BW Ultra configurations or send units in to a quick Bump or Calibration mode.

Use this technology to streamline maintenance of the Honeywell BW™ Ultra and reduce your cost of ownership and down time:

## **Hassle-free bump and calibration**

Need to bump or calibrate your Honeywell BW™ Ultra but don't have a docking station? Simply activate the TouchConnect™ device, and it will automatically find devices that are in range and will go into the appropriate mode.

## **Quick and easy configuration – even for large fleets**

Need to change your alarm set points for a certain gas concentration? Just activate the TouchConnect™ device and the set points, configuration settings will be automatically changed.

This is especially valuable if you have a large fleet of detectors around the world and don't have docking stations or software. Instead of manually updating each detector, just send the TouchConnect™ devices to each location to each location. The simple Bluetooth device takes care of the rest.



# Five-gas flexibility for many kinds of confined spaces.

If you face gas hazards in your industry, the five-gas Honeywell BW™ Ultra can be configured to detect them. In addition to the standard four gases that you're required to monitor in a confined space – O<sub>2</sub>, H<sub>2</sub>S, CO, and LEL – you can choose a fifth sensor depending on your operation.

Some common examples:

| GAS             | INDUSTRY   |
|-----------------|--|
| SO <sub>2</sub> | Oil & gas, pulp & paper  |
| NH <sub>3</sub> | Chemical plants, pool systems, pulp & paper mills, refrigeration, agriculture, wastewater treatment              |
| CL <sub>2</sub> | Pool systems, pulp & paper, water/wastewater treatment   |
| VOCs            | Multiple industries that involve solvents, paints and other volatile organic compounds for equipment maintenance |
| CO <sub>2</sub> | Wineries & breweries   |
| NO <sub>2</sub> | Construction & welding   |
| HCN             | Perishable food shipping   |

## Smart Solution for Inert Atmospheres

The patented Intelligent Inert mode on the Honeywell BW Ultra allows users to safely and simply measure low levels of Oxygen (Inert Atmospheres), by automatically adjusting O<sub>2</sub> alarm levels from descending alarms (needed for monitoring in normal environments) to ascending alarms (needed for monitoring in inert environments).

## A Versatile Detector that Can go Beyond Confined Spaces

The Honeywell BW™ Ultra is designed for confined-space sampling and monitoring, but it can also double as a day-to-day detector.

Do you have an employee working around chlorine gas at a pumping station? Is one of your staff members using volatile organic compounds for a cleaning task?

Just remove the sampling hose from the Honeywell BW™ Ultra and make it part of the employee's personal protective equipment – thus reducing your investment in additional detectors.



# The Honeywell BW™ Ultra is another way Honeywell protects your workers – and your enterprise.

Honeywell Industrial Safety offers a total safety solution for hazardous environments, protecting the lives of workers wherever they're at risk. In addition, Honeywell helps your company turn safety into a strategic advantage – by reducing costs, increasing operational uptime, and driving productivity.

As the world leader in industrial safety, Honeywell offers a comprehensive portfolio of head-to-toe personal protective equipment; fixed and portable gas detectors, as well as software, sensors, and other connected technologies for real-time safety monitoring, analytics, and safety administration.



## For more information

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

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specifications are subject to change without notice.  
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