



**FRONTLINE**  
Safety

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**DATA SHEET**

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# Honeywell BW™ Ultra Multi-Gas Detector.

Extra Detection. Ultra Protection.

At Honeywell, we always put your safety where it should be – first. With Honeywell BW™ Ultra, our new 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 has enhanced sensor technology, visibility on gas readings, comfort and connectivity. This makes it the most reliable and user-friendly way to prevent a safety incident.

## Extra Gas Detection. Extraordinary.

The Honeywell BW™ Ultra complies with all safety regulations in place by detecting your required gases. Furthermore, it goes the extra mile by offering you the option to choose a fifth sensor from a list of gases – for added protection at work.

The Honeywell BW™ Ultra is the first gas detector on the market to feature the *1-Series* sensor, with fast response, reliable performance and long life, even in extreme working conditions. That means high accuracy and lower costs.



H <sub>2</sub> S	CO	O <sub>2</sub>
LEL	VOC	CO <sub>2</sub>
SO <sub>2</sub>	NH <sub>3</sub>	H <sub>2</sub>
Cl <sub>2</sub>	NO <sub>2</sub>	HCN
	NO	

## FEATURES & BENEFITS

### Ultra Easy

- Tamper-proof operation with one-button operation
- Intuitive LCD icons for quick decision-making
- Easy service and maintenance

### Ultra Visibility

- Intuitive large dot matrix display giving clear readings
- Smart Gas layout for clear sensor reading
- Hole Watch Mode for quick decision-making
- IntelliFlash™ and also Reverse IntelliFlash™ for clear compliance

### Ultra Rugged

- Honeycomb-designed housing for extra ruggedness
- Protection designed in the right place
- Scratch-resistant display protector

### Ultra Connected

- Honeywell Connected Worker compatible
- Honeywell TouchConnect™ Technology for activating a feature
- Honeywell SafetySuite for unit configuration and reporting

### Ultra Comfortable

- Ergonomically designed for easy use
- Light yet rugged design
- Fits in the hand for easy sampling

### Ultra Quick

- Quick responding sensor technology
- Quick decision-making because large display
- Quick bump & calibration with IntelliDoX system

# Honeywell BW™ Ultra Technical Specifications

TECHNICAL SPECIFICATIONS	
SIZE	5.8 x 3.3 x 1.6 in. / 14.8 x 8.5 x 4.0 cm
WEIGHT	14.5 oz. / 411 g (with clip)
OPERATING TEMPERATURE	-4 to +131° F / -20 to +50° C
HUMIDITY	5 - 95% RH (non-condensing) continuous
INGRESS PROTECTION	IP66/68
ALARMS AND TYPE	Visual, vibrating, audible (95 dB); Low, High, TWA, STEL, OL (over limit)
SELF-TEST	Activated detectors automatically perform one internal diagnostic test every 24 hours (sensors, battery and circuitry).
TYPICAL BATTERY LIFE	18 hours (14 hours with PID or IR sensor) @ -4° F / -20° C
PUMP DRAW	Sample from up to 75 ft. / 22.9 m
CONNECTED WORKER	<ul style="list-style-type: none"> <li>Bluetooth™ Low Energy (BLE) – Ability to connect to Honeywell's Safety Communicator App</li> <li>Honeywell TouchConnect™ – Easy ability to enter Bump or Calibration mode or change Set-Points</li> </ul>
EVENT LOGGING	30 alarm events and 10 bump events
DATA LOGGING	45 days based on 8 hour shifts every 15 seconds logging
USER OPTIONS	<ul style="list-style-type: none"> <li>Adjust STEL period (5-15 minutes in 1-minute intervals)</li> <li>Calibration span levels</li> <li>Calibration interval</li> <li>Bump test interval</li> <li>Select combustible gases measurement: 0-100% LEL (Lower Explosive Limit) or Methane gas 0-5.0% v/v</li> <li>LEL and PID correction factors</li> <li>Calibration due date (1 to 365 days, or set to zero for off)</li> <li>Individual sensor enable/disable</li> <li>Latching alarms</li> <li>Stealth mode</li> <li>Languages: English, French, German, Portuguese, Spanish, Simplified Chinese and Russian</li> </ul>
CERTIFICATIONS AND APPROVALS	<p><b>UL</b> : Class I, Div 1, Group A, B, C, D Class I, Zone 0, Group IIC</p> <p><b>ATEX</b>: II 1G Ex ia IIC T4 Ga</p> <p><b>IECEX</b>: Ex ia IIC T4 Ga</p> <p><b>CE</b>: European Conformity</p> <p>For additional certifications, please review the manual or consult Honeywell Analytics.</p>
WARRANTY	<p>Instrument: 3 years</p> <p>Sensors: 3 years (2 years NH<sub>3</sub>, 1 year PID and Cl<sub>2</sub>)</p> <p>Battery: 2 years</p>

SENSOR SPECIFICATIONS		
GASES	STANDARD MEASURING RANGE	RESOLUTION
OXYGEN (O <sub>2</sub> )	0-25% vol.	0.1% vol.
COMBUSTIBLE GASES (LEL)	0-100% LEL	1% LEL
COMBUSTIBLE GASES (IR)* LEL - 100% VOL. AUTORANGING	0-100% LEL (0-5.00% vol.) >5% vol.	1% LEL 0.1% vol.
HYDROGEN SULFIDE (H <sub>2</sub> S)	0-100 ppm	1 ppm / 0.1 ppm
CARBON MONOXIDE (CO)	0-2,000 ppm	1 ppm
CARBON MONOXIDE (LOW H <sub>2</sub> ) (CO-H)	0-1,000 ppm	1 ppm
SULFUR DIOXIDE (SO <sub>2</sub> )	0-100 ppm	0.1 ppm
HYDROGEN (H <sub>2</sub> )	0-2,000 ppm	5 ppm
CARBON DIOXIDE (CO <sub>2</sub> )	0-50,000 ppm	100 ppm / 10 ppm
AMMONIA (NH <sub>3</sub> )	0-100 ppm	1 ppm
VOLATILE ORGANIC COMPOUNDS (VOC) **	0-1,000 ppm	1 ppm
CHLORINE (CL <sub>2</sub> )	0-20 ppm	0.1 ppm
NITROGEN DIOXIDE (NO <sub>2</sub> )	0-50 ppm	0.1 ppm
HYDROGEN CYANIDE (HCN)	0-100 ppm	0.1 ppm
NITROGEN MONOXIDE (NO)	0-200 ppm	1 ppm

\* Caution – the LEL IR combustible gas sensor option used in Honeywell BW™ Ultra cannot detect certain combustible gases, including hydrogen and acetylene. The application should be reviewed to ensure the Honeywell BW™ Ultra can provide adequate detection. For more information, please contact HoneywellAnalytics (www.honeywellanalytics.com).

\*\* Please contact Honeywell Analytics for availability.



**INTELLIDOX DOCKING SYSTEM**  
IntelliDoX combines smart-docking modules with our instrument management system to provide automated testing and record-keeping.

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

## For more information

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**Honeywell**

**Thank you for reading this data sheet.**

For pricing or for further information, please contact us  
at our UK Office, using the details below.

**Please note** — Product designs and specifications are subject  
to change without notice. The user is responsible for  
determining the suitability of this product.



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