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 J-Series sensor, with fast response, reliable performance and long life, even in extreme working conditions. That means high accuracy and lower costs.

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

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Honeywell BW™ Ultra Technical Specifications

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIZE</strong></td>
<td>5.8 x 3.3 x 1.6 in. / 14.8 x 8.5 x 4.0 cm</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>14.5 oz. / 411 g (with clip)</td>
</tr>
<tr>
<td><strong>OPERATING TEMPERATURE</strong></td>
<td>-4 to +131°F / -20 to +50°C</td>
</tr>
<tr>
<td><strong>HUMIDITY</strong></td>
<td>5 - 95% RH (non-condensing) continuous</td>
</tr>
<tr>
<td><strong>INGRESS PROTECTION</strong></td>
<td>IP66/68</td>
</tr>
<tr>
<td><strong>ALARMS AND TYPE</strong></td>
<td>Visual, vibrating, audible (95 dB); Low, High, TWA, STEL, OL (over limit)</td>
</tr>
<tr>
<td><strong>SELF-TEST</strong></td>
<td>Activated detectors automatically perform one internal diagnostic test every 24 hours (sensors, battery, and circuitry).</td>
</tr>
<tr>
<td><strong>TYPICAL BATTERY LIFE</strong></td>
<td>18 hours (14 hours with PID or IR sensor) -4°F / -20°C</td>
</tr>
<tr>
<td><strong>PUMP DRAW</strong></td>
<td>Sample from up to 75 ft. / 22.9 m</td>
</tr>
</tbody>
</table>
| **CONNECTED WORKER**     | • Bluetooth™ Low Energy (BLE) – Ability to connect to Honeywell’s Safety Communicator App  
                          | • Honeywell TouchConnect™ – Easy ability to enter Bump or Calibration mode or change Set-Points |
| **EVENT LOGGING**        | 30 alarm events and 10 bump events          |
| **DATA LOGGING**         | 45 days based on 8 hour shifts every 15 seconds logging |
| **USER OPTIONS**         | • Adjust STEL period (5-15 minutes in 1 minute intervals)  
                          | • Calibration span levels  
                          | • Calibration interval  
                          | • Bump test interval  
                          | • Select combustible gases measurement: 0-1000% LEL (Lower Explosive Limit) or Methane gas 0-5.0% v/v  
                          | • LEL and PID correction factors  
                          | • Calibration due date (1 to 365 days, or set to zero for off)  
                          | • Individual sensor enable/disable  
                          | • Latching alarms  
                          | • Stealth mode  
                          | • Languages: English, French, German, Portuguese, Spanish, Simplified Chinese and Russian |
| **CERTIFICATIONS AND APPROVALS** | Class I, Div 1, Group A, B, C, D  
                                     | Class I, Zone 0, Group IIIC  
                                     | ATEX: II 1G Ex ia IIC T4 Ga  
                                     | IECEx: Ex ia IIC T4 Ga  
                                     | CE: European Conformity |
| **WARRANTY**             | Instrument: 3 years  
                          | Sensors: 3 years (2 years NH₃, 1 year PID and Cl₂)  
                          | Battery: 2 years |

**SENSOR SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Gases</th>
<th>Standard Measuring Range</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (O₂)</td>
<td>0-25% vol.</td>
<td>0.1% vol.</td>
</tr>
<tr>
<td>Combustible Gases (LEL)</td>
<td>0-100% LEL</td>
<td>1% LEL</td>
</tr>
<tr>
<td>Combustible Gases (IR*)</td>
<td>0-5.00% vol.</td>
<td>0.01% vol.</td>
</tr>
<tr>
<td>Hydrogen Sulfide (H₂S)</td>
<td>0-100 ppm</td>
<td>1 ppm / 0.1 ppm</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>0-2,000 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Carbon Monoxide (low H₂) (CO-H)</td>
<td>0-1,000 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Sulfur Dioxide (SO₂)</td>
<td>0-100 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Hydrogen (H₂)</td>
<td>0-2,000 ppm</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide (CO₂)</td>
<td>0-50,000 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Ammonia (NH₃)</td>
<td>0-100 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)**</td>
<td>0-1,000 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Chlorine (Cl₂)</td>
<td>0-20 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Nitrogen Dioxide (NO₂)</td>
<td>0-50 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Hydrogen Cyanide (HCN)</td>
<td>0-100 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Nitrogen Monoxide (NO)</td>
<td>0-200 ppm</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

* 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 Honeywell Analytics (www.honeywellanalytics.com).

**Please contact Honeywell Analytics for availability.**

**INTELLOX DOCKING SYSTEM**

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

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