

# Honeywell BW™ MicroClip Series

## Multi-gas detectors

**Small size. Easy to use. Reliable operation. Affordable protection.**

With that combination of benefits, it's no wonder the Honeywell BW™ MicroClip is the world's most popular multi-gas detector, serving as your trusted companion in hazardous environments — keeping you safe without weighing you down. Plus, it's the first multi-gas detector with a rating of IP68 for unmatched water protection — up to 45 minutes at a depth of 1.2m. So you can be confident it will stand up to challenging conditions.

Choose from two detectors, both with extended 18-hour battery runtime, one-button operation and Honeywell's rigorous approach to quality:

**Honeywell BW™ MicroClip XL:** low up-front cost with a two-year warranty.

**Honeywell BW™ MicroClip X3:** three-year warranty and a new oxygen sensor that extends overall expected service lifetime to 5 years.

### Use our unique advanced technology for safety, compliance and productivity.

- Advanced engineering for reliable battery performance
- Reflex™ Technology to ensure sensor responsiveness
- Compact, lightweight and easy to use — no expertise required
- Flashing green IntelliFlash™ light for compliance at a glance

### Optional Accessories

- Honeywell IntelliDoX Automated Test System
- Honeywell BW™ Connect
- IR connectivity kit
- Five unit cradle charger

For a complete list of kits and accessories, please contact Honeywell Analytics.

## FEATURES & BENEFITS

- Guaranteed runtime for at least a 12-hour shift — down to -20°C — without compromising LEL detection of hydrogen, acetylene and other combustible gases
- Durable, rechargeable lithium polymer battery — tested to last in extreme environments
- Ergonomic and wearable — doesn't weigh you down
- Real-time gas concentrations shown on LCD
- Bright, wide-angle visual alarm bars
- IP68 rating ensures maximum protection against dust and water — up to 45 minutes at a depth of 1.2m
- User-friendly, tamperproof operation with just one button and intuitive LCD icons
- IntelliFlash™ light indicating detector has been bump tested and is monitoring correctly
- Self-test of sensors, battery status, circuit integrity and audible/visual alarms on startup
- Compatible with IntelliDoX docking station for automated bump tests and calibration
- Multi-language support in English, French, German, Spanish and Portuguese
- Device Management with Honeywell SafetySuite
- Compatible with Honeywell BW™ Connect for real time monitoring



### New to Honeywell BW™ MicroClip X3:

- Five-year life expectancy — plus a three-year warranty
- An all-new oxygen sensor that operates consistently for five years — with no replacement costs for the life of the detector
- Superior cost of ownership — with minimized maintenance and maximized uptime

# Honeywell BW™ MicroClip Series Specifications

|                              | HONEYWELL BW™ MICROCLIP XL                                                                                                                                                                                                                                                                                                                                                                                                                 | HONEYWELL BW™ MICROCLIP X3                                                                                                                                                                                                                                                                                                                   |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIZE                         | 11.3 x 6.0 x 3.2 cm / 4.4 x 2.4 x 1.2 in.                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                              |
| WEIGHT                       | 190 g / 6.7 oz.                                                                                                                                                                                                                                                                                                                                                                                                                            | 179 g / 6.3 oz.                                                                                                                                                                                                                                                                                                                              |
| TEMPERATURE                  | -20 to +50°C / -4 to +122°F                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                              |
| HUMIDITY                     | 0% - 95% RH (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                              |
| ALARMS                       | Visual, vibrating, audible (95 dB) • Low, High, TWA, STEL, OL (over limit)                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                              |
| TESTS                        | Audible/visual alarms on activation; sensors, battery and circuitry (continuous)                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                              |
| TYPICAL BATTERY LIFE         | 18 hours; recharges in less than 6 hours<br>Note: Approximately 20% capacity loss is normal with lithium polymer batteries after 500 charge cycles. Refer to the Operator's Manual for additional information.                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
| USER OPTIONS                 | <ul style="list-style-type: none"> <li>• Confidence beep</li> <li>• Set STEL interval</li> <li>• Sensor on/off</li> <li>• Latching alarms</li> <li>• Safe display mode</li> <li>• Stealth mode</li> <li>• Calibration lock</li> <li>• Auto zero on start up</li> <li>• O<sub>2</sub> auto calibration on start up</li> <li>• Set bump test interval</li> <li>• Force bump test when overdue</li> </ul>                                     | <ul style="list-style-type: none"> <li>• IntelliFlash™ interval</li> <li>• Combustible gas measurement (%LEL or % by volume methane)</li> <li>• User-settable calibration gas level</li> <li>• Force calibration when overdue</li> <li>• Low alarm acknowledge</li> <li>• Language choices</li> <li>• Set custom start up message</li> </ul> |
| RATINGS                      | IP68 – up to 45 minutes at 1.2 m (Honeywell BW™ MicroClip XL and X3)<br>EMI/RFI: Complies with EMC Directive 2004/108/EC                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                              |
| CERTIFICATIONS AND APPROVALS | CSA:  Class I, Div. 1, Gr. A, B, C, D<br>ATEX:  II 1 G. Ex ia IIC T4 Ga<br>IECEx: Ex ia IIC T4 Ga<br> European Conformity<br>KTL (Honeywell BW™ MicroClip X3 certification in progress) |                                                                                                                                                                                                                                                                                                                                              |
| WARRANTY                     | Full two-year (Honeywell BW™ MicroClip XL) or three-year (Honeywell BW™ MicroClip X3) warranty including all sensors<br>Note: Battery is guaranteed to have 12 hour runtime during warranty period under normal operating temperature of 4°F / -20°C to 122°F / 50°C.                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                              |
| EXPECTED SERVICE LIFETIME    | Five years including all sensors* (Honeywell BW™ MicroClip X3 only)<br>*Note: Sensors do not contain consumable components and will typically reach the expected lifetime if used according to the instructions in the user manual. Please note that poisoned sensors are not covered by warranty.                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                              |

| SENSOR SPECIFICATIONS |                 |            |
|-----------------------|-----------------|------------|
| GAS                   | MEASURING RANGE | RESOLUTION |
| H <sub>2</sub> S      | 0 -100 ppm      | 1 ppm      |
| CO                    | 0 - 500 ppm     | 1 ppm      |
| O <sub>2</sub>        | 0-30.0%         | 0.1%       |
| COMBUSTIBLE GASES     |                 |            |
|                       | 0-100% LEL      | 1%         |
|                       | 0-5.0% v/v      | 0.1%       |

ALARM SETPOINTS FOR ALL SENSORS ARE USER ADJUSTABLE. SETPOINTS ARE AUTOMATICALLY DISPLAYED DURING INSTRUMENT START UP.  
DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Continuously detect up to 4 gas hazards:

|                  |
|------------------|
| H <sub>2</sub> S |
| CO               |
| O <sub>2</sub>   |
| LEL              |



Real-Time Monitoring with the Honeywell BW™ Connect\*

\*Contact Honeywell Analytics for availability