

# HONEYWELL BW™ ICON+ MULTI-GAS DETECTOR

Serviceable four-gas detector with a choice of six sensors — Honeywell BW™ Icon+ delivers an icon-based experience in a serviceable package. It enables you to maximize the lifespan of your four-gas detectors, optimize long-term cost of ownership and select from multiple gas sensors for flexible applications.

## ICON DISPLAY FOR FAST DECISIONS

Like the fixed-life Honeywell BW™ Icon, Honeywell BW™ Icon+ is named for its first-in-the-industry display of simple icons for gas levels and device status. That means no live gas readings for workers to interpret and no time-consuming training. Instead, when there's a gas alarm, the bell icon on the display will illuminate, along with an indicator next to the sensor in alarm, so workers can quickly clear the area.

## INTELLIGENT SENSORS FOR PREDICTIVE MAINTENANCE

How much life is remaining in the H<sub>2</sub>S sensor, based on its age and gas exposure? When does the O<sub>2</sub> sensor need to be calibrated? Honeywell BW™ Icon+ has i-Series intelligent sensors that answer these kinds of questions, so you can take action and prevent unexpected downtime.

## REPORTING AND ANALYSIS FROM YOUR SMARTPHONE

Want to see the full concentration of a gas or other information not on the icon-based display? Need to report a gas alarm? Simply download the Honeywell Safety Suite Device Configurator app, use Bluetooth® to pair your smartphone with the detector, and open the app to see the data — all organized in a report that's ready to send.



Gas detector for the gas hazards that workers face most often: Combustible gas (LEL), oxygen (O<sub>2</sub>), hydrogen sulfide (H<sub>2</sub>S), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>) and Chlorine (Cl<sub>2</sub>) (coming soon).

## FEATURES AND BENEFITS



### RELIABLE

Two months of battery runtime on a 4.5-hour charge — and up to four months if you turn off the detector at the end of each shift. No daily charging, no unexpected downtime.



### COMPATIBLE

The Honeywell BW™ Icon+ is compatible with the IntelliDoX instrument management system and Honeywell Safety Suite and also with TouchConnect™ using Bluetooth® for wireless configuration.



### ACCURATE

Low-power infrared LEL sensor is immune to silicone poisoning, which means accurate monitoring of combustibles.



### EASY TO MANAGE

The IntelliFlash™ green light indicates when the detector is in compliance and the amber light indicates the need for maintenance.



### RESPONSIVE

1series sensors respond to dangerous gas levels in seconds, even in harsh temperatures.



### EASY TO USE

Small, lightweight and wearable. One-button operation.

# Honeywell BW™ Icon+ Technical Specifications

| Technical Specifications     |                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                         | 108.2 mm x 61.5 mm x 43.2 mm (4.29 in x 2.44 in x 1.7 in) with Alligator Clip<br>108.2 mm x 61.5 mm x 37.8 mm (4.29 in x 2.44 in x 1.49 in) with Klick Fast Stud                                                                                                                                                                                     |
| Weight                       | 185 g (6.5 oz) with Alligator Clip, 169 g (6 oz) with Klick Fast Stud                                                                                                                                                                                                                                                                                |
| Working Temperature          | -40°C to 60°C (-40°F to 140°F)                                                                                                                                                                                                                                                                                                                       |
| Working Humidity             | 5% to 95%                                                                                                                                                                                                                                                                                                                                            |
| Ingress Protection           | IP66, IP68                                                                                                                                                                                                                                                                                                                                           |
| Alarms and Type              | Visual, vibrating, audible (95 dB); Low, High, TWA, STEL, Negative Drift, Over Limit, Multi-alarm                                                                                                                                                                                                                                                    |
| Self-Test                    | Perform diagnostic of sensor, circuitry on activation;<br>Activated detector automatically performs analog sensor diagnostic every 10 minutes,<br>digital sensor diagnostic every second                                                                                                                                                             |
| Typical Battery Life         | Two months (with NDIR CH4 sensor)                                                                                                                                                                                                                                                                                                                    |
| Connected Worker             | Bluetooth® Low Energy (BLE) – Ability to connect to Honeywell’s Safety Communicator App,<br>Device Configurator App and Safety Suite Device Configurator Software                                                                                                                                                                                    |
| User options                 | <ul style="list-style-type: none"> <li>• Change High, Low, TWA and STEL alarm set points</li> <li>• Latching alarms</li> <li>• Set Calibration and/or bump test reminders</li> <li>• Assign worker and location assignments</li> <li>• Always on</li> </ul> User options only available via Device Configurator and Safety Suite Device Configurator |
| Certifications and Approvals | ATEX, IEC Ex, contains FCCID, contains IC                                                                                                                                                                                                                                                                                                            |
| Device Warranty              | Three-year warranty for sensors and detector                                                                                                                                                                                                                                                                                                         |

| Sensor Specifications |                 |                           |                                                                              |
|-----------------------|-----------------|---------------------------|------------------------------------------------------------------------------|
| Gas Name              | Measuring Range | Resolution                | Working Temperature                                                          |
| CO                    | 0 to 2000 ppm   | 1 ppm                     | -40°C to 60°C (-40°F to 140°F)                                               |
| H <sub>2</sub> S      | 0 to 200 ppm    | 1 ppm (can set to 0.1ppm) | -40°C to 60°C (-40°F to 140°F)                                               |
| SO <sub>2</sub>       | 0 to 150 ppm    | 0.1 ppm                   | -20°C to 50°C (-4°F to 122°F) intermittent<br>-40°C to 55°C (-40°F to 131°F) |
| O <sub>2</sub>        | 0 to 30% VOL    | 0.1% VOL                  | -40°C to 60°C (-40°F to 140°F)                                               |
| NDIR-CH <sub>4</sub>  | 0 to 100% LEL   | 1% LEL                    | -40°C to 60°C (-40°F to 140°F)                                               |

**Caution:** The infrared LEL sensor used in Honeywell BW™ Icon cannot detect hydrogen and acetylene. For applications involving these combustible gases, consider a catalytic-bead LEL sensor as found in the Honeywell BW™ MicroClip Series.

## For more information

[www.safety.honeywell.com](http://www.safety.honeywell.com)

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