HONEYWELL BW™ FLEX SERIES
MULTI-GAS DETECTOR

Whether you're protecting workers or first responders — in industries from steel and wastewater to paper and pulp — Honeywell BW™ Flex delivers the flexibility you need. Choose from more than 15 sensors to simultaneously detect up to 4 gas hazards.



Gas detector for the gas hazards that workers face most often: Combustible gas (LEL), oxygen (O_2), hydrogen sulfide (H_2S), carbon monoxide (CO), sulfur dioxide (SO_2) and more variants coming soon.

REAL-TIME GAS READINGS AT A GLANCE

Honeywell BW™ Flex features a large high-resolution display with readings available in a wide range of languages. Vital safety information is conveyed clearly and effectively, enabling faster decision-making to protect lives in hazardous environments. Its innovative design, compact size and ease of use builds on the legacy of Honeywell BW™ gas detection products.

INTELLIGENT SENSORS FOR INCREASED SAFETY & UPTIME

Honeywell BW™ Flex incorporates i-Series intelligent sensors which monitor sensor status and provide advanced predictive calibration, maintenance and end-of-life information in real-time. These advanced alerts help reduce the likelihood of failure and increase awareness so preventive action can be taken to avoid safety incidents and unexpected downtime.

SIMPLIFIED GAS REPORTING AND ANALYSIS

Honeywell BW™ Flex can be paired with a smartphone easily via Bluetooth®. Download the Honeywell Safety Suite Device Configurator app for quick and precise device management, maintenance, reporting and analysis. Increase productivity by simplifying tasks like recording incidents and save time with one-click download for all instrument data.

FEATURES AND BENEFITS

RELIABLE

Two months of battery runtime on a 4.5-hour charge with our new low-powered IR LEL sensor. No daily charging, no unexpected downtime.

COMPATIBLE

The Honeywell BW™ Flex Series is compatible with the IntelliDoX instrument management system and Honeywell Safety Suite 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

Honeywell BW™ Flex Series Technical Specifications

Technical Specifications	
Size	108.2 mm x 61.5 mm x 43.2 mm (4.29 in x 2.44 in x1.7 in) with Alligator Clip 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	With Catalytic LEL: 189 g (6.7 oz) with Alligator Clip, 173 g (6.1 oz) with Klick Fast Stud With IR LEL: 186 g (6.6 oz) with Alligator Clip, 170 g (6.0 oz) with Klick Fast Stud
Working Temperature	-40°C to 60°C (-40°F to 140°F) and -20°C to 60°C (-4°F to 140°F) with Catalytic LEL sensor
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; Activated detector automatically performs analog sensor diagnostic every 10 minutes, digital sensor diagnostic every second
Typical Battery Life	40 days @ 8 hours of use per day with IR LEL 15 hours with Catalytic LEL (with NDIR CH4 sensor)
Connected Worker	Bluetooth® Low Energy (BLE) – Ability to connect to Honeywell's Safety Communicator App, Device Configurator App and Safety Suite Device Configurator Software
User Options	• Change High, Low, TWA and STEL alarm set points • Latching alarms • Set Calibration and/or bump test reminders • Assign worker and location assignments • Always on User options only available via Device Configurator and Safety Suite Device Configurator
Certifications and Approvals	ATEX, IEC Ex, contains FCCID, contains IC, CSA approval pending
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_2S	0 to 200 ppm	1 ppm (can set to 0.1ppm)	-40°C to 60°C (-40°F to 140°F)
SO_2	0 to 150 ppm	0.1 ppm	-20°C to 50°C (-4°F to 122°F) intermittent -40°C to 55°C (-40°F to 131°F)
O_2	0 to 30% VOL	0.1% VOL	-40°C to 60°C (-40°F to 140°F)
NDIR-CH_4	0 to 100% LEL	1% LEL	-40°C to 60°C (-40°F to 140°F)
Catalytic LEL	0 to 100% LEL	1% LEL	-20°C to 60°C (-4°F to 140°F)

⚠ Caution: The infrared LEL sensor used in Honeywell BW™ Flex cannot detect hydrogen and acetylene. For applications involving these combustible gases, please specify the catalytic type LEL sensor.

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