Honeywell
THE POWER OF CONNECTED | Gas Detection

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_2S	CO	O_2
LEL	VOC	CO_2
SO_2	NH_3	H_2
Cl_2	NO_2	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	• 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: 0-100% 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	c UL us: Class I, Div 1, Group A, B, C, D Class I, Zone 0, Group IIC **ATEX:** II 1G Ex ia IIC T4 Ga **IECEx:** Ex ia IIC T4 Ga CE: European Conformity For additional certifications, please review the manual or consult Honeywell Analytics.
WARRANTY	Instrument: 3 years Sensors: 3 years (2 years NH_3, 1 year PID and Cl_2) Battery: 2 years

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

SENSOR SPECIFICATIONS		
GASES	STANDARD MEASURING RANGE	RESOLUTION
OXYGEN (O_2)	0-25% vol.	0.1% vol.
COMBUSTIBLE GASES (LEL)	0-100% LEL	1% LEL
COMBUSTIBLE GASES (IR)*	0-5.00% vol.	0.01% vol.
HYDROGEN SULFIDE (H_2S)	0-100 ppm	1 ppm / 0.1 ppm
CARBON MONOXIDE (CO)	0-2,000 ppm	1 ppm
CARBON MONOXIDE (LOW H_2) (CO-H)	0-1,000 ppm	1 ppm
SULFUR DIOXIDE (SO_2)	0-100 ppm	0.1 ppm
HYDROGEN (H_2)	0-2,000 ppm	5 ppm
CARBON DIOXIDE (CO_2)	0-50,000 ppm	100 ppm
AMMONIA (NH_3)	0-100 ppm	1 ppm
VOLATILE ORGANIC COMPOUNDS (VOC) **	0-1,000 ppm	1 ppm
CHLORINE (CL_2)	0-20 ppm	0.1 ppm
NITROGEN DIOXIDE (NO_2)	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 Honeywell Analytics (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.

For more information
www.honeywellanalytics.com

Europe, Middle East, Africa
gasdetection@honeywell.com

Americas
detectgas@honeywell.com

Asia Pacific
analytics.ap@honeywell.com

Technical Services
EMEA: HAexpert@honeywell.com
US: ha.us.service@honeywell.com
AP: ha.ap.service@honeywell.com

Datasheet_Honeywell BW Ultra_DS01195-01_US-EN | 04/18
© 2018 Honeywell International Inc.

Honeywell