

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 ₂ S	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	CLASSIFIED  : 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 NH₃, 1 year PID and Cl₂) Battery: 2 years

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 ₂ S)	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.

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

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