

# HONEYWELL BW™ FLEX 4/5

## Multi-Gas Detector

With a choice of 14 different sensor types, the Honeywell BW™ Flex 4/5 protects you from multiple gas hazards, in a small, rugged, and easy to use device. BW Flex 4/5 keeps specialists operating in confined spaces, or general workers on a plant, safe from gas hazards while making safety compliance for the business easy.

### WORK THE WAY YOU WANT TO

The IntelliFlash™ and ultra-bright alarm LEDs provide users an instant overview of the detectors status. Red for stop, amber as a warning, and green you're good to go, gives that simple view inexperienced users need. The display can also be configured to show all the gases at the same time or one at a time. Either way the operator gets all they need to know at a glance.

### MORE GASES FOR MORE APPLICATIONS

Select up to 4 sensors from 14 different gas types. With common gases covered and a growing range of "exotic" sensors too, the BW Flex can be used to protect workers from up to five gases in even more industries.

### READY FOR THE CONNECTED FUTURE

Pairing the Honeywell BW™ Flex 4/5 with your smart mobile device via Bluetooth™ allows remote measurement, field reporting of incidents, or even full instrument configuration and calibration. What's more everything is recorded for download when needed and users can easily synchronize with Safety Suite fleet management software.



For the detection of the most common gas hazards including: Flammable gas (LEL), oxygen (O<sub>2</sub>), carbon monoxide (CO), hydrogen sulphide (H<sub>2</sub>S), carbon dioxide (CO<sub>2</sub>), sulphur dioxide (SO<sub>2</sub>), chlorine (Cl<sub>2</sub>), nitric oxide (NO), nitrogen dioxide (NO<sub>2</sub>), and hydrogen cyanide (HCN)

## FEATURES AND BENEFITS



### RELIABLE

Small, lightweight, rugged, and weatherproof, the BW Flex can be used in potentially explosive atmospheres. Indoor, outdoor, onshore or offshore, we have you covered globally.



### STATUS AT A GLANCE

The SafetyTick™ and IntelliFlash™ status indicators enable quick visual compliance checks of instrument status in the field. The intuitive green, amber, and red color coding keep it simple.



### ADVANCED CONNECTIVITY

Using a smart mobile device or PC operators can fully configure their device using Safety Suite solutions on iOS®, Android™, or Windows™ platforms. Safety Communicator allows full remote situational awareness from the control room when needed.



### RESPONSIVE

Offering instantaneous alarms, with time weighted average exposure levels (STEL/TWA), users are protected all round, from flammable, oxygen, and toxic gases in the work place.



### EASY TO MAINTAIN

The modular design makes service and maintenance easy. Compatibility with IntelliDoX automated test and calibration system, makes the routine fast! The system ensures up to date records are always available.



### EASY TO USE

The single pushbutton operation, intuitive user interface, and simple green/amber/red alarm system simplifies training and enables users to be up and running quickly.

**Honeywell**

# Honeywell BW™ Flex 4/5 Series Technical Specifications

| Sensor Specifications               |                                        |                          |                                        |                                        |                           |                           |                          |                         |                           |                          |                          |                          |                          |                          |                          |
|-------------------------------------|----------------------------------------|--------------------------|----------------------------------------|----------------------------------------|---------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Gas Type                            | LEL-IR                                 | NDIR-CO2                 | LEL-CB-F                               | LEL-CB-UF                              | O2                        | H2S                       | COSH Dual Toxic          |                         | CO                        | CO-H                     | SO2                      | NO                       | NO2                      | HCN                      | CL2                      |
|                                     |                                        |                          |                                        |                                        |                           |                           | H2S                      | CO                      |                           |                          |                          |                          |                          |                          |                          |
| Identifier                          | W5                                     | B1                       | W6                                     | W7                                     | X1                        | H1                        | HM                       |                         | M1                        | M3                       | S3                       | N3                       | D3                       | Z3                       | C3                       |
| Spare Sensor                        | SR-W5-1S                               | SR-B1-1S                 | SR-W6-1S                               | SR-W7-1S                               | SR-X1-1S                  | SR-H1-1S                  | SR-HM-1S                 |                         | SR-M1-1S                  | SR-M3-1S                 | SR-S3-1S                 | SR-N3-1S                 | SR-D3-1S                 | SR-Z3-1S                 | SR-C3-1S                 |
| Type                                | NDIR C1-C6 Hydrocarbons                | NDIR CO2                 | Cat. Bead Filtered                     | Cat. Bead Unfiltered                   | Pb free Electrochem.      | Electrochemical           | Electrochemical          |                         | Electrochemical           | Electrochemical          | Electrochemical          | Electrochemical          | Electrochemical          | Electrochemical          | Electrochemical          |
| Interface                           | Digital                                | Digital                  | Digital                                | Digital                                | Bias O2 Pump              | Inflow                    | Digital                  |                         | Inflow                    | Inflow                   | Inflow                   | Bias                     | Outflow                  | Inflow                   | Outflow                  |
| Operating Temperature               | -20°C/60°C<br>-4°F/140°F               | -20°C/60°C<br>-4°F/140°F | -20°C/60°C<br>-4°F/140°F               | -20°C/60°C<br>-4°F/140°F               | -40°C/60°C<br>-40°F/140°F | -40°C/60°C<br>-40°F/140°F | -20°C/50°C<br>-4°F/122°F |                         | -40°C/60°C<br>-40°F/140°F | -20°C/50°C<br>-4°F/122°F | -20°C/50°C<br>-4°F/122°F | -20°C/50°C<br>-4°F/122°F | -20°C/50°C<br>-4°F/122°F | -10°C/50°C<br>14°F/122°F | -20°C/50°C<br>-4°F/122°F |
| Operating Humidity (non-condensing) | 0-99% rH                               | 0-99% rH                 | 0-95% rH                               | 0-95% rH                               | 5-95% rH                  | 0-95% rH                  | 15-90% rH                |                         | 0-95% rH                  | 15-90% rH                | 15-95% rH                | 15-90% rH                | 15-90% rH                | 15-90% rH                | 15-90% rH                |
| Recommended Operating Range         | 100% LEL                               | 5% VOL (50000 ppm)       | 100% LEL                               | 100% LEL                               | 25% VOL                   | 200 ppm                   | 100 ppm                  | 1000 ppm                | 1000 ppm                  | 1000 ppm                 | 20 ppm                   | 100 ppm                  | 20 ppm                   | 50 ppm                   | 20 ppm                   |
| Maximum Over Range                  | 100% LEL                               | 5% VOL (50000 ppm)       | 100% LEL                               | 100% LEL                               | 30% VOL                   | 500 ppm                   | 400 ppm                  | 2000 ppm                | 2000 ppm                  | 2000 ppm                 | 150 ppm                  | 400 ppm                  | 60 ppm                   | 250 ppm                  | 60 ppm                   |
| Resolution                          | 1% LEL                                 | 0.01%VOL (100 ppm)       | 1% LEL                                 | 1% LEL                                 | 0.1% VOL                  | 0.1 ppm                   | 0.1 ppm                  | 1 ppm                   | 1 ppm                     | 1 ppm                    | 0.1 ppm                  | 0.1 ppm                  | 0.1 ppm                  | <0.3 ppm                 | 0.1 ppm                  |
| Default Units of Measure            | % LEL                                  | % VOL                    | % LEL                                  | % LEL                                  | % VOL                     | ppm                       | ppm                      | ppm                     | ppm                       | ppm                      | ppm                      | ppm                      | ppm                      | ppm                      | ppm                      |
| Configurable Alarm Range            | 0 (disable) to 100% LEL                | 0 (disable) to 5% VOL    | 0 (disable) to 100% LEL                | 0 (disable) to 100% LEL                | 0 (disable) to 30% VOL    | 0 (disable) to 500 ppm    | 0 (disable) to 400 ppm   | 0 (disable) to 2000 ppm | 0 (disable) to 2000 ppm   | 0 (disable) to 2000 ppm  | 0 (disable) to 150 ppm   | 0 (disable) to 400 ppm   | 0 (disable) to 60 ppm    | 0 (disable) to 250 ppm   | 0 (disable) to 60 ppm    |
| Default Low Alarm                   | 10% LEL                                | 0.5% VOL (5000 ppm)      | 10% LEL                                | 10% LEL                                | 19.5% VOL                 | 10 ppm                    | 10 ppm                   | 35 ppm                  | 35 ppm                    | 35 ppm                   | 2 ppm                    | 25 ppm                   | 2 ppm                    | 4.7 ppm                  | 0.5 ppm                  |
| Default High Alarm                  | 20% LEL                                | 3.0% VOL (30,000 ppm)    | 20% LEL                                | 20% LEL                                | 23.5% VOL                 | 15 ppm                    | 15 ppm                   | 200 ppm                 | 200 ppm                   | 200 ppm                  | 5 ppm                    | 25 ppm                   | 5 ppm                    | 10 ppm                   | 1 ppm                    |
| Default STEL                        | n/a                                    | 3.0% VOL (30,000 ppm)    | n/a                                    | n/a                                    | n/a                       | 15 ppm                    | 15 ppm                   | 50 ppm                  | 50 ppm                    | 50 ppm                   | 1 ppm                    | 25 ppm                   | 5 ppm                    | 10 ppm                   | 1 ppm                    |
| Default TWA                         | n/a                                    | 0.5% VOL (5000 ppm)      | n/a                                    | n/a                                    | n/a                       | 10 ppm                    | 10 ppm                   | 35 ppm                  | 35 ppm                    | 35 ppm                   | 0.5ppm                   | 25 ppm                   | 2 ppm                    | 4.7 ppm                  | 0.5 ppm                  |
| Default Span Gas                    | 50% LEL CH <sub>4</sub> (2.2/2.5% VOL) | 0.5% VOL (5000 ppm)      | 50% LEL CH <sub>4</sub> (2.2/2.5% VOL) | 50% LEL CH <sub>4</sub> (2.2/2.5% VOL) | 18% VOL                   | 25 ppm                    | 25 ppm                   | 100 ppm                 | 100 ppm                   | 100 ppm                  | 20 ppm                   | 50 ppm                   | 10 ppm                   | 15ppm                    | 10 ppm                   |
| Maximum Calibration Interval        | 180 days                               | 180 days                 | 180 days                               | 180 days                               | 180 days                  | 180 days                  | 180 days                 |                         | 180 days                  | 180 days                 | 180 days                 | 180 days                 | 180 days                 | 90 days                  | 180 days                 |
| Expected Operating Life             | 3 to 5+ years                          | 3 to 5+ years            | 3 to 5+ years                          | 3 to 5+ years                          | 3 to 5+ years             | 3 to 5+ years             | 2+ years                 |                         | 3 to 5+ years             | 2+ years                 | 3 to 5+ years            | 2+ years                 | 2+ years                 | 1 to 2 years             | 1 to 2 years             |

Some combinations are not recommended/allowed due to cross sensitivity and possible interference. Contact Honeywell for advice.

# Honeywell BW™ Flex 4/5 Series Technical Specifications

The Honeywell BW™ Flex 4 Series multi-gas detector protects users from up to five gas hazards in a rugged, compact, and lightweight device, suitable for every day use. With 14 different sensors available, many configurations are possible for a wide range of industries.

| Technical Specifications                                                    |                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                                                        | 108.2 mm × 61.5 mm × 43.2 mm (4.29 in × 2.44 in × 1.7 in) with Alligator Clip<br>108.2 mm × 61.5 mm × 37.8 mm (4.29 in × 2.44 in × 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<br>With IR LEL: 186 g (6.6 oz) with Alligator Clip, 170 g (6.0 oz) with Klick Fast Stud                                                                                                                    |
| Certified 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% rH (non condensing and sensor dependent)                                                                                                                                                                                                                                                     |
| Ingress Protection                                                          | IP66, IP68                                                                                                                                                                                                                                                                                             |
| Alarms and Type                                                             | Visual, vibrating, audible (95 dB);<br>Low, High, TWA, STEL, Negative Drift, Over Limit, Multi-alarm, Low Battery                                                                                                                                                                                      |
| Self-Test                                                                   | Perform diagnostic of sensor, circuitry on activation;<br>Reflex™ test automatically performs analog sensor diagnostic every 10 minutes                                                                                                                                                                |
| Typical Battery Life*                                                       | 40 days @ 8 hours of use per day with NDIR CH <sub>4</sub> sensor, up to 15 hour with Catalytic LEL                                                                                                                                                                                                    |
| Connected Worker                                                            | Bluetooth® Low Energy (BLE) – Ability to connect to the Honeywell Safety Communicator App, Device Configurator App and Safety Suite Device Configurator Software                                                                                                                                       |
| User Options<br>(Changed using Safety Suite and/or Device Configurator App) | <ul style="list-style-type: none"><li>• Change High, Low, TWA, and STEL alarm set points</li><li>• Latching alarms, peak hold function</li><li>• Set calibration and/or bump test reminders, apply enforcement policies</li><li>• Assign worker and location assignments</li><li>• Always on</li></ul> |
| Certifications and Approvals                                                | ATEX, IEC Ex, CSA, FTZU, INMETRO, GOSST, CCCF, CPA, KRS, MED, DNV, SABs, FCCID, IC, UKCA, CE<br>Suitable for use in potentially explosive atmospheres found in industrial, marine, and mining applications. Contact Honeywell for the latest list of global approvals                                  |

\*depends on alarm duration.



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.

## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate as of this writing. However, Honeywell assumes no responsibility for its use.

## Honeywell Process Measurement and Control

2101 CityWest Blvd  
Houston, TX 77042  
www.honeywell.com

Bluetooth is a trademark or registered trademark of Bluetooth SIG, Inc.  
Android is a trademark or registered trademark of Google LLC.  
Windows is a trademark or registered trademark of Microsoft Corporation.  
iOS is a trademark or registered trademark of Cisco  
Honeywell BW™ is a trademark or registered trademark of Honeywell International Inc.

GAS\_BW\_Flex Series\_DS | Rev E | 10/24  
© 2024 Honeywell International Inc.

**Honeywell**

# Diensten van EURO-INDEX

**EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.**

## Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

## Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



## Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

## KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal ([mijnkws.be](http://mijnkws.be)) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

## Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

## EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



**BELGIË**  
Leuvensesteenweg 607  
1930 Zaventem  
T: 02 - 757 92 44  
F: 02 - 757 92 64  
[sales@euro-index.be](mailto:sales@euro-index.be)  
[www.euro-index.be](http://www.euro-index.be)

**NEDERLAND**  
Rivium 2e straat 12  
2909 LG Capelle a/d IJssel  
T: +31 - (0)10 - 2 888 000  
F: +31 - (0)10 - 2 888 010  
[verkoop@euro-index.nl](mailto:verkoop@euro-index.nl)  
[www.euro-index.nl](http://www.euro-index.nl)

