

QUICK REFERENCE GUIDE



Honeywell BW™ Flex 4 MULTI-GAS MONITOR

ENGLISH

Honeywell

⚠️ WARNINGS

GENERAL
Users must read the manual and follow the guidance given. Ensure only qualified personnel use, service, and maintain the monitor. The user must configure instruments before use. It is the user's responsibility to ensure correct operation before use.
OPERATION
Bump testing before use to ensure correct operation is recommended. Only use the equipment within the certified and operational limits specified. Be aware of possible interference or cross-sensitivities to other gases. Ensure accessories used are compatible with gases to be detected. Do not expose sensors to inhibitors or poisons. Ensure units are charged sufficiently for the day's use. Charge the device in a safe area within the temperature range of 0-45°C. Do not charge devices in direct sunlight.
MAINTENANCE
Inspect equipment for physical damage. Do not use if damaged. Ensure all filters are clear of obstruction/dirt. Replace filters regularly. Clean with a damp cloth using warm water only. Do not apply alcohol/solvent to the instrument; it may cause damage. Do not immerse the instrument in liquid or with controlled gas to correct baseline drift. Never attempt to zero an instrument in a hazardous environment. Calibrate the detector per recommendations for each sensor. Maintain bump/calibration records for later inspection. Do not use a "lever" to open the instrument. This will damage the sealing. Replace sensors/batteries as needed to maintain performance. Ensure instrument firmware/software updates are applied routinely. Do not tamper with, heat, or incinerate Li-ion batteries. Spent batteries must be disposed of in compliance with local laws. Only use Honeywell-supplied parts. Alternates will invalidate the warranty.

CONTENTS

- 1 BW Flex 4 multi-gas monitor (CPD-XXXXXXX-X-XX)
- 1 USB-A / charger adaptor CP-USB
- 1 Calibration cap CP-TC-1
- 1 Quick Reference Guide
- 1 Calibration certificate
- Contact Honeywell should any part be missing.

OVERVIEW

- 1. Alarm LED
- 2. IntelliFlash
- 3. Display
- 4. Button
- 5. Beeper
- 6. Sensor
- 7. Crocodile Clip
- 8. Certification Label
- 9. Charging/IR Data Port

FIRST USE

- 1. Ensure the device is fully charged.
 - 2. Use an adaptor with a USB-A 5V/500 mA charger.
 - 3. Allow fully depleted units to stabilize overnight.
 - 4. All instruments are supplied with default settings.
 - 5. Configuration to local needs is required.
 - 6. Bump Testing is recommended before use.
 - 7. Calibration is required per sensor settings.
- See RESOURCES for the full instruction manual and software tools for configuration.

RESOURCES

The following resources are required to configure your gas monitor for use.

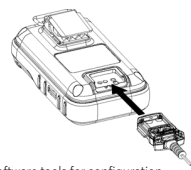
User Manual
Web PDF



Device Configurator App
IOS Android

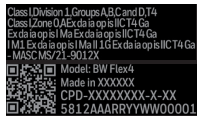


Safety Suite
Windows



INTENDED USE

The BW Flex 4 is certified intrinsically safe for potentially explosive atmospheres, including Class 1 / Division 1, Zone 0, 1 & 2 designated areas. Independently tested to conform with IP66/68 dust and water protection, it is suitable for indoor, outdoor, mining, onshore, and offshore.



Always verify the monitor is suitable for use in the intended hazardous location. The certification label is shown on the rear of the monitor. The label shown may vary subject to local regulatory requirements. Contact Honeywell for the latest certifications if required. Some sensors may be damaged if used at extremes of certification.

BASIC OPERATION

1. Power ON, 4-second press and hold.
2. Power OFF, 4-second press and hold with countdown.
3. Turn the backlight ON, single button press.
4. Further single button presses step through peak readings.
5. Alarms, faults, and warnings must be cleared to reset.
6. Acknowledge latched alarm (if enabled). 1-second press and hold.
7. Double-press the button to enter MENU Operation.
8. Single press to start navigating MENU, and press and hold to select.

STATUS INDICATION

LEL IR %LEL	02 %VOL	20.9	Battery full	Bluetooth enabled
CO PPM	02 %VOL	0.04	Battery low	Bluetooth fault
H2S PPM	0	✓	Battery charging	IR connected
Sensor Status	Instrument Status		Not charging	AVV failure
Gas Type/Units	Status		Cal. reminder	Wait, monitor busy
Reading/Alarm			Bump Test due	Critical warning
			Bump reminder	Press & Hold

BEFORE USE

Train operators to recognize potential hazards and what procedures to follow if gas is detected. Only trained personnel should use and service equipment.
Honeywell recommends bump testing before use. Apply a known concentration of gas above alarm set points to ensure filters are not blocked, and that audible, visual, and vibrating alarms operate correctly. If required, recalibrate per the instruction manual.

SPECIFICATIONS

Description	The multi-gas portable gas monitor detects explosive, oxygen, and toxic gas hazards. Suitable for use in potentially explosive atmospheres, indoors and outdoors. Fitted with up to 4 x 1 Series sensors selected from 14 different types for a wide range of safety applications.
Size (except Clip)	108.2mm x 61.5mm x 33.5mm 4.29in x 2.44in x 1.32in
Weight	170g (6.0oz) to 189g (6.7oz) depending on options
Temperature	Certified: -40°C to 60°C (-40°F to 140°F) Operating: Sensor dependent
Ingress protection	Waterproof, independently tested IP66 & IP68 0-99%RH (non-condensing)
Alarm type	Visual, vibrating, audible (95 dB), Low, High, TWA, STEL, Negative Drift, Over Limit, Battery.
Diagnostics	On start-up and Reflex sensor test.
Battery run time	NDIR LEL: Up to 2 months (40 working days) Catalytic LEL: Up to 15 hours Assumes 2 minutes alarm per day/8 hour working day Varies with use, age, and configuration of the instrument
Connectivity and software	Bluetooth® Low Energy (BLE), Safety Communicator, Device Configurator, and Safety Suite Configurator. Windows PC, iOS, and Android compatible.
Certification and approvals	FCC, EMC, RED, ROHS Globally intrinsic safety approvals; suitable for use Zone 0, 1, 2, Class 1, Div1 & 2, explosive atmospheres. Approved for indoor, outdoor, onshore, offshore, and marine use. CSA/UL, IECEX, ATEX, MED, INMETRO, NKK, KRS, SABS. Performance approved CSA22.2 60079-29-1, IECEX/ATEX 60079-29-1, EN45544, EN 50104.

CERTIFICATIONS

GLOBAL

IECEX SIR 20.0020X
With IR sensor installed:
Ex ia op is I Ma Ex ia op is IIC T4 Ga, -40°Cs Tamb ≤ 60°C
With LEL sensor installed:
Ex da ia I Ma Ex da ia IIC T4 Ga, -40°Cs Tamb ≤ 60°C
With IR and LEL sensors installed:
Ex da ia op is I Ma Ex da ia op is IIC T4 Ga, -40°Cs Tamb ≤ 60°C Without IR and LEL sensors installed:
Ex ia I Ma Ex ia IIC T4 Ga, -40°Cs Tamb ≤ 60°C

EUROPE

UKEX - CSAE21UEX2042X
CSAE21UEX2049X
ATEX: Sira 20ATEX012X
With IR sensor installed:
I M1 Ex ia op is I Ma, -40°Cs Tamb ≤ 60°C
I 1 G Ex ia op is IIC T4 Ga, -40°Cs Tamb ≤ 60°C
With LEL sensor installed:
I M1 Ex da ia I Ma, -40°Cs Tamb ≤ 60°C
I 1 G Ex da ia IIC T4 Ga, -40°Cs Tamb ≤ 60°C
With IR and LEL sensors installed:
I M1 Ex da ia op is I Ma, -40°Cs Tamb ≤ 60°C
I 1 G Ex da ia op is IIC T4 Ga, -40°Cs Tamb ≤ 60°C
Without IR and LEL sensors installed:
I M1 Ex ia I Ma, -40°Cs Tamb ≤ 60°C
I 1 G Ex ia IIC T4 Ga, -40°Cs Tamb ≤ 60°C
EN 50104:2019, EN 50271:2018
EMC Directive 2014/30/EU, RED Directive 2014/53/EU
ROHS Directive (EU) 2015/863 amending 2011/65/EU
IP-IP66, IP68 (1.2 metres for 45 minutes).

FURTHER APPROVALS

Korea - KC 21-GA480-0570X
Japan - JPEX DEK21.0059X / DEK21.0060X
India - ETA-SD-20200906189
UAE - EPR93810.21
South Africa - SABS: MASX MS / 21-9012X / MASX MS / 21-9012X

CERTIFICATIONS

NORTH AMERICA

CSA 20CAB0028223X
With IR sensor installed:
Class I, Division 1, Groups A, B, C and D, T4
Class I, Zone 0, AEx ia op is IIC T4 Ga; Ex ia op is IIC T4 Ga
With LEL sensor installed:
Class I, Division 1, Groups A, B, C and D, T4
Class I, Zone 0, AEx da ia IIC T4 Ga; Ex da ia IIC T4 Ga
With IR & LEL sensor installed:
Class I, Division 1, Groups A, B, C and D, T4
Class I, Zone 0, AEx da ia op is IIC T4 Ga; Ex da ia op is IIC T4 Ga
MET: TL21052E
CSA C22.2 No.60079-29-1
UL60079-29-1

SOUTH AMERICA

INMETRO: DNV 21.0104 X