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. Only zero in the fresh air 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-XXXXXXXX-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.

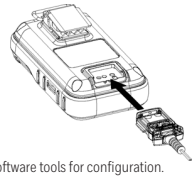
OVERVIEW

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	Device Configurator App	Safety Suite
Web PDF	IOS / Android	Windows

M05-4002-001 Rev-C BW Flex 4 Multilingual QRG
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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.

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 I Ma Ex da ia op is IIC T4 Ga
I M1. Ex da ia op is I Ma II 1G Ex da ia op is IIC T4 Ga
- MASC MS/21-9012X
Model: BW Flex4
Made in XXXXXX
CPD-XXXXXXXX-X-XX
5812AAARRYYWW00001

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	0	O2 %VOL	20.9
CO PPM	0	CO2 %VOL	0.04
H2S PPM	0		

Sensor Status
Gas Type/Units
Reading/Alarm
Instrument Status

Battery full
Battery half
Battery low
Battery charging
Not charging
Calibration Due
CaL reminder
Bump Test due
Bump reminder

Bluetooth enabled
Bluetooth connected
Bluetooth fault
IR connected
AVV failure
Stealth mode
Wait, monitor busy
Critical warning
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 × 61.5mm × 33.5mm 4.29in × 2.44in × 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, Div 1 & 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°C≤ Tamb ≤ 60°C
With LEL sensor installed:
Ex da ia I Ma Ex da ia IIC T4 Ga, -40°C≤ 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°C≤ Tamb ≤ 60°C Without IR and LEL sensors installed:
Ex ia I Ma Ex ia IIC T4 Ga, -40°C≤ Tamb ≤ 60°C
EUROPE
UKEx – CSAE21UKEX2042X
CSAE21UKEX2049X
ATEX: Sira 20ATEX2012X
With IR sensor installed:
I M1 Ex ia op is I Ma, -40°C≤ Tamb ≤ 60°C
II 1G Ex ia op is IIC T4 Ga, -40°C≤ Tamb ≤ 60°C
With LEL sensor installed:
I M1 Ex da ia I Ma, -40°C≤ Tamb ≤ 60°C
II 1G Ex da ia IIC T4 Ga, -40°C≤ Tamb ≤ 60°C
With IR and LEL sensors installed:
I M1 Ex da ia op is I Ma, -40°C≤ Tamb ≤ 60°C
II 1G Ex da ia op is IIC T4 Ga, -40°C≤ Tamb ≤ 60°C
Without IR and LEL sensors installed:
I M1 Ex ia I Ma, -40°C≤ Tamb ≤ 60°C
II 1G Ex ia IIC T4 Ga, -40°C≤ Tamb ≤ 60° CEN 60079-29-1:2016
UKCA 0518 / CE 2813
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 meters for 45 minutes).
FURTHER APPROVALS
Korea - KC: 21-GA4BO-0570X
Japan - JPEx: DEK21.0059X / DEK21.0060X
India - ETA: SD-20200906189
UAE - ER93810_21
South Africa - SABS: MASX MS / 21-9012X / MASC MS / 21-9012X

CERTIFICATIONS

NORTH AMERICA
CSA: 20CA80028223X
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

Find Quality Products Online at: www.GlobalTestSupply.com sales@GlobalTestSupply.com