

4-GAS RESPONDER

CONFINED SPACE MONITOR

BW
Technologies
by Honeywell



Key Features

- Smaller and 50% lighter than competing instruments
- Water-resistant design in an integral concussion-proof enclosure
- Large LCD allows for easy-to-read monitoring
- Integral motorized pump for remote sampling and fast response
- AA battery powered for easy replacement (rechargeables available)
- 95 dB alarm tone, bright LED alarm bars, & internal vibrating alarm
- Auto backlight activates in low light & when in alarm
- Four alarm levels: instantaneous Low Alarm, High Alarm, TWA, and STEL
- Records TWA, STEL, and max gas exposures (displays readings on command)
- Datalogger with programmable sampling intervals
- Full self-test of sensor, battery, circuit integrity, and audible/visual alarms

An essential tool for all confined space entry.
Simultaneously monitors up to five gases to keep you safe.

The 4Gas-Responder utilizes four sensors for monitoring and detection of carbon monoxide (CO), hydrogen sulfide (H₂S), oxygen (O₂), and combustible gases (LEL). The sensors can be custom selected with a maximum of 5 gases per unit.

With preset and user adjustable alarm setpoints, dangerous gas levels are instantly made aware by audible and visual alarms, as well as vibration; ensuring that personnel are aware of potential hazards.

Additionally, the 4Gas-Responder can accommodate a fifth sensor for custom monitoring: SO₂, PH₃, NO₂, HCN, Cl₂, ClO₂, O₃, & NH₃. The integral pump provides personnel the ability to draw a sample from the space prior to entry.

Applications

• Compressor Rooms	• Air Monitoring	• Chemical Plants
• Tank Rooms	• Sea Vessels	• Refrigeration Systems
• Vent Lines	• Food Processing	• Emergency Response

Accessories Included

• Integral Motorized Pump	• AA Alkaline Battery Pack
• Sampling Wand	• Hand Carrying Case
• Sampling Tube	• User Manual

The **4-Gas Responder** has one of the largest LCD's on the market, and comes equipped with an integral motorized pump.

Audible, visual, and vibrator alarms activate in the event of a low, high, TWA, or STEL alarm condition. Other standard features include automatic calibration, datalogger, full function self-test, user selectable confidence beep, stealth mode, backlight options, selectable ppm resolution, STEL / TWA measurement choice, combustible correction factor options, user-settable calibration gas concentrations, and multi-language support.

Ordering Information

The **4-Gas Responder** is delivered ready for use with CO, H₂S, O₂, & LEL sensors, integral motorized pump, AA alkaline battery set, spare AA battery set, sampling wand and hose (3 ft), stainless steel alligator belt clip, instructions, and a rugged hard-shell carrying case.

Order #: [4-GAS Responder](#)

M5-RBC (rechargeable battery and charging cradle)

BW-M5-TwinTox-RC (replacement cell CO/H₂S).

BW-GA-LEL-RS (replacement LEL sensor)

BW-O2-RC (replacement O₂ sensor)

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SPECIFICATIONS

Due to ongoing research and product improvement, specifications are subject to change

Battery:

8 hours runtime on three AA alkaline cells (runtime dependent on backlight usage)

Pump:

Integral motorized rotary pump. Tubing length up to 100 ft. / 30 m (50 ft. / 15 m standard) with user options

Sensors:

Plug-in, electrochemical (EC) and catalytic (LEL)

Ranges:

CO (0-500 ppm), H₂S (0-500 ppm), O₂ (0/30%), LEL (0/100%)

Calibration Due Date:

Days remaining until next calibration displayed on start-up

LCD:

Continuous, alphanumeric gas readout and status display advises

Tests:

Full function self-test, sensor integrity, circuitry, battery and audible/visual alarms on activation

Alarm Indicators:

Clearly advises alarm conditions with audible, visual, and internal vibrator alarms

Visual alarms: Two flashing alarm bars visible from all angles. LCD indicates gas present and alarm levels encountered

Audible alarm: Typically 95 dB at 1 ft. / 30 cm variable pulsed audible alarm

Vibrator alarm: Pulses warning in gas alarm conditions, or for any status alarms

Status alarms: Low battery, over range, multiple gas, pump, and failed or missing sensor

Alarm Levels:

Instantaneous Low Alarm; Instantaneous High Alarm; TWA (time-weighted average), and STEL (short-term exposure limit)

Alarm setpoints: Displayed on activation and on demand

Calibration Schedule:

6-month intervals

Enclosure:

Rugged, composite material; two-shot molded polymer case with integral anti-shock boot. Highly water resistant and dust proof

Humidity: 0 - 95% RH (non-condensing)

Dimensions: 5.7 x 2.9 x 1.5 in

Weight: 13.1 oz

Gas concentration:

Simultaneously and continuously displays gas concentration(s) for all sensors (in ppm or % LEL). Peak (max)/STEL/TWA ppm or %: Records exposures and displays on demand

User field options:

Confidence beep, set STEL period, force calibration on start-up, enable / disable sensor, pass code protection, latching alarms, span level, passed calibration user-lockout option, "SAFE" display function, stealth mode, fast pump, alarm only backlight mode, LCD language option, STEL calculation choice, TWA calculation choice, PID / combustible correction factor options, and user-settable calibration gas level

Warranty:

1-year (including sensors)