GAS DETECTION SOLUTIONS FOR HYDROGEN APPLICATIONS

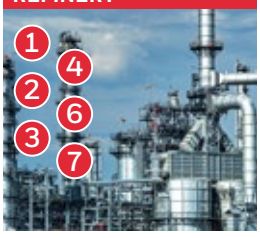
Application Note

Due to the global imperative to address climate change and minimize carbon emissions, numerous industries currently relying on oil or natural gas in their production processes, are actively considering the adoption of Hydrogen as a more environmentally friendly alternative. Each industry has its own environmental challenges and is committed to ensuring the safety of their workforce and facilities when working with gases including Hydrogen. To meet these safety and detection needs, Honeywell offers numerous gas detection systems for various Hydrogen applications.

1. FS24X Plus Flame Detector
2. Searchzone Sonik™
3. Sensepoint 0 to 100 % LEL
4. XNX™ Transmitter
5. Honeywell BW™ Solo
6. Honeywell BW™ Ultra
7. Honeywell BW™ Flex

TYPICAL HONEYWELL GAS DETECTION DEVICES USED THROUGHOUT THE HYDROGEN APPLICATIONS*

REFINERY

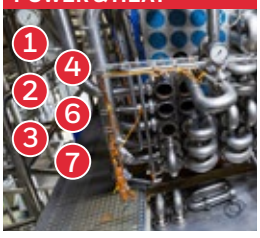


STEEL

AMMONIA PRODUCTION

METHANOL PRODUCTION

POWER & HEAT



H_2 REFUELING STATION WITH H_2 TRAIN, H_2 BUS, AND H2 TRUCK

H_2 REPAIR WORKSHOP

H_2 VEHICLE MANUFACTUER/ TEST STAND

ELECTROLYZER & STORAGE TANK

HYDROGEN PLANT

* Needs may vary from project to project, please discuss the specific requirements with the user before offering the solution.

Honeywell

FIXED GAS DETECTION

When fast and informed decisions make the difference between life and death, you need full control of your gas detection system. It's easier than ever to ensure safety and compliance, while also reducing setup and operation times and minimizing the need for training. With Honeywell industrial gas detectors, you never have to trade off on the flexibility or reliability of your control system, making the best decisions at a glance.

FS24X Plus Flame Detector

- Advanced triple IR Flame detector for Hydrocarbon and Hydrogen fires in one device

XNX™ Universal Transmitter

- Universal transmitter for toxic, oxygen and combustible gas detection. Support a wide range of sensors on a common platform and offers a modular choice of inputs and outputs

Searchzone Sonik™

- Fast, reliable gas leak detection, even in noisy environments
- Doesn't need calibration and can withstand harsh weather environments

Sensepoint Flammable and Toxic Gas Detector

- ATEX certified
- Flammable, toxic and oxygen gas detectors that offer a high-quality, low-cost solution to monitoring hazardous areas.

PORTABLE GAS DETECTION

Ideal for confined spaces, spot leak testing and mobile use, Honeywell portable gas detectors provide real-time visibility into the status and safety of hazardous-area workers, helping companies respond faster, more knowingly and decisively to safety incidents.

Honeywell BW™ Solo

- Serviceable single-gas detector with wireless capability to enable connected worker

Honeywell BW™ Ultra

- Portable five-gas detector designed specifically for sampling and monitoring confined spaces

Honeywell BW™ Flex

- Monitors for up to four gases simultaneously with flexibility of choosing from 6 different sensors, soon to be extended to 12.

For more information
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THE FUTURE IS WHAT WE MAKE IT

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