



# **GAS** **DETECTION**

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Product Overview

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**Honeywell**



# PROTECTING WORKERS EVERYWHERE

At Honeywell our key focus is on protecting workers anywhere and everywhere, ensuring that the evolution of gas detection is driven by the individuals relying on our equipment. With this in mind, we listen and refine our solutions to meet changing demands to ensure we are able to provide an added value service that meets individual requirements.



# OUR MISSION IS TO SAVE LIVES EVERY DAY, IN EVERY INDUSTRY, ON EVERY CONTINENT.

With 50 years of experience in the industry, we have been influential in gas detection since the very beginning. Many of our historic products set new benchmarks for gas detection in terms of performance, ease of use and innovation. Today, our product lines have evolved to meet the requirements of diverse industries and applications, delivering comprehensive solutions designed to drive down the cost of gas detection, whilst providing enhanced safety.

## INDUSTRIES SERVED

- Offshore oil and gas platforms
- Floating production storage and offloading vessels
- Tankers
- Onshore oil and gas terminals
- Refineries
- LPG bottling plants
- Gas compressor stations
- Gas and oil metering stations
- Gas turbine driven power plant
- Conventional power plant
- Paper coating and printing machines
- Distilleries
- Breweries
- Frozen food freezer and storage plant
- Pharmaceutical production plants
- Chemical production plant
- Semiconductor production facilities
- Photo voltaics manufacturing
- Industrial gases handling and storage
- Space Industry
- Aircraft storage and maintenance hangers
- Tank farms
- Communications industry
- Waste Water Treatment plant
- Chemical plants
- Boiler rooms
- Hospitals
- Tunnels / car parks



# PORTABLE & WIRELESS

Honeywell Gas Detection offers a range of portable products featuring intuitive, single button operation, affordability, and incredible ease of use, helping to minimize training requirements and ongoing costs.

## HONEYWELL BW™ PORTABLES



### BW™ Clip

The BW™ Clip Series of single-gas detectors provides up to three years maintenance-free operation: just turn on the device and it runs continuously — no need for sensor and battery replacement or battery charging.



### BW™ Solo

Honeywell BW™ Solo is an easy to service single-gas detector with BLE connectivity that provides real-time visibility into the status and safety of hazardous-area workers.



### BW™ Icon/Icon+

Honeywell BW™ Icon is a fixed-life, 2-year, 4-gas detector for the gas hazards including O<sub>2</sub>, H<sub>2</sub>S, LEL and your choice of either CO or SO<sub>2</sub>. Icon+ is a fully serviceable 1-4 gas detector with the same intuitive icon display.



### BW™ Clip4

Honeywell BW™ Clip4 4-gas detector is wearable, easy multi-gas detection that's always on. No charging, no battery or sensor replacements, no hassle.



### BW™ Flex

Serviceable portable gas detector that monitors 1-4 gas hazards simultaneously. Soon to be available will be a choice of an extended range of more than 10 different sensors, including Cl<sub>2</sub>, NO, HCN, and others.



### BW™ MicroClip

BW™ MicroClip Series The world's most popular multi-gas portable detector, delivering long runtime and reliability — plus small size, low cost and the easiest user experience. Rugged, ultra-compact, lightweight continuous monitoring of up to 4 gas hazards.



### IntelliDox™

Automated instrument management system, Get more from your gas detection — with unmatched performance and customization.



### BW™ Ultra

The Honeywell BW™ Ultra is a five-gas detector from Honeywell that is designed specifically for sampling and monitoring confined spaces, before and after entry.





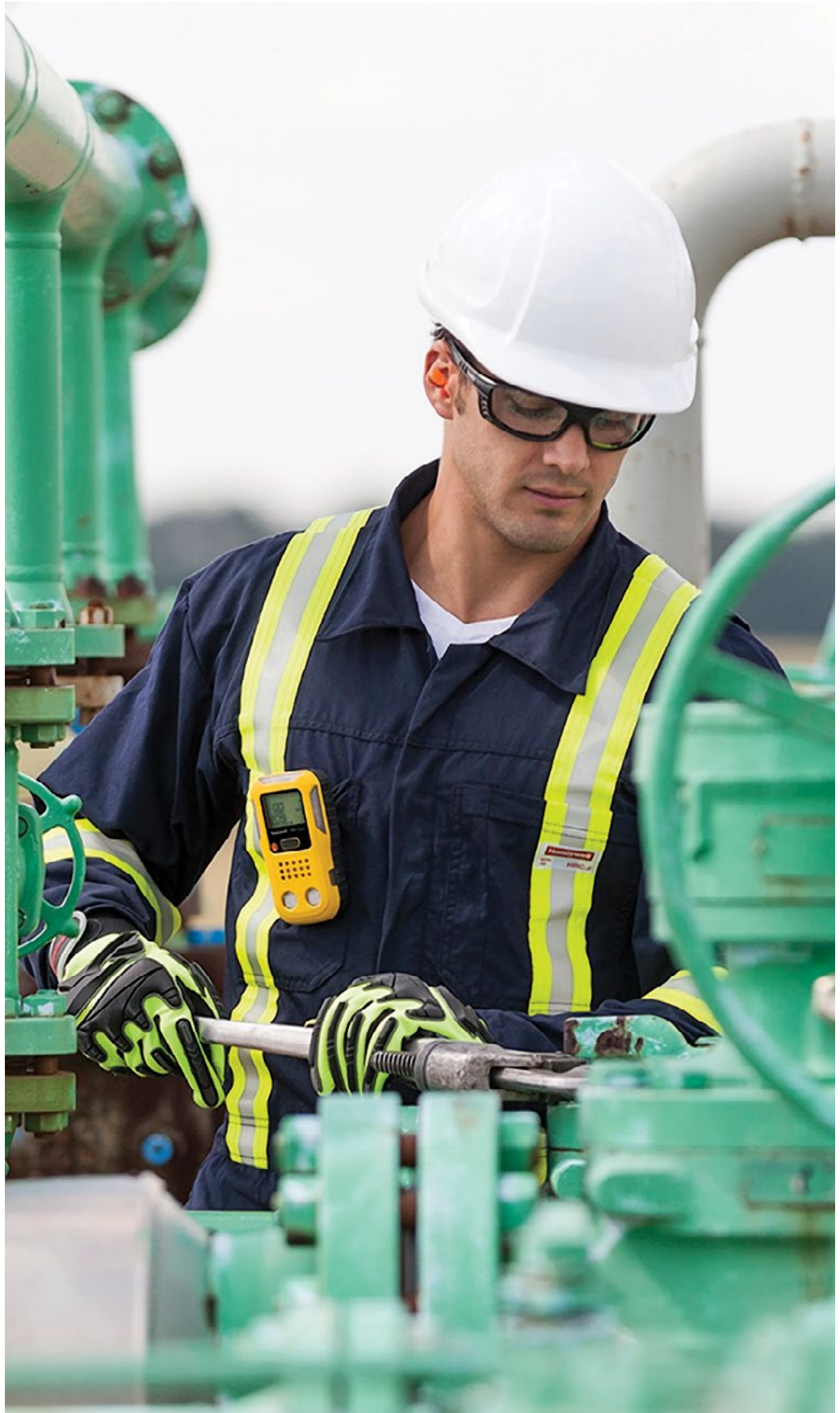
### **BW™ RigRat**

Have confidence in your local area monitoring. Honeywell BW™ RigRat brings a new level of user-friendliness to transportable multi-gas area monitoring, so your people can work with confidence in hazardous areas. BW™ RigRat has a simple setup, offers a long runtime, is highly configurable, and comes up with up to six interchangeable gas sensors. You can control BW™ RigRat directly from your smartphone via Honeywell's Device Configurator app – choose alarm set points, view calibration records and more from up to five meters away. It works with Honeywell's remote monitoring software, Safety Suite, allowing you to see the real-time threat readings and the location of each BW™ RigRat. You also have an option to integrate a noise sensor and meteorological data sensors – to make faster and more informed safety decisions.



### **GasAlertMax XT II**

Multi-gas detector with simultaneous monitoring of up to 4 gas hazards with a built in sampling pump.



# HONEYWELL RAE



## QRAE 3

A versatile, rugged, one- to four-sensor pumped or diffusion gas monitor that provides continuous exposure monitoring of oxygen (O<sub>2</sub>), combustibles, and toxic gases, including hydrogen sulfide (H<sub>2</sub>S), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>) and hydrogen cyanide (HCN) for workers and responders in hazardous environments.



## MicroRAE

The MicroRAE™ is a wireless multi-gas diffusion monitor that simultaneously measures up to 4 gases, including hydrogen sulfide, carbon monoxide, oxygen and combustibles (LEL).



## MultiRAE

This multi-gas monitor is versatile and customizable, while delivering real-time access to instrument readings and alarm status from any location.



## ToxiRAE Pro Family

Gives safety professionals wireless access to real-time readings and alarm status from any location for better visibility and faster response.



## MiniRAE Lite+

Most reliable handheld volatile organic compound (VOC) monitor in the market. Its photoionization detector (PID) range of 0 to 5,000 ppm makes it an ideal instrument for applications ranging from environmental to construction.



## MiniRAE 3000+

Uses a third-generation patented PID, provides full-range measurement from 0 to 15,000 ppm and up to six months of datalogging.



## ppbRAE 3000+

A comprehensive VOC gas monitor and datalogger for hazardous environments, with a 9.8 eV or 10.6 eV UV- discharge lamp.



## UltraRAE 3000+

A compound-specific monitor that detects benzene from 50 ppb to 200 ppm and other VOCs from 0.05 to 10,000 ppm. In benzene-specific mode.



### AreaRAE Pro

Remote visibility on more threats than ever for a new level of real-time situational awareness. AreaRAE Pro is a transportable multi-threat area monitor that simultaneously detects toxic and combustible gases, Volatile Organic Compounds (VOCs), radiation, and meteorological factors that affect the speed, direction and behavior of gas — for enhanced situational awareness. It works with Honeywell Safety Suite Premium, so you can see the realtime threat readings, alarm status, location of each AreaRAE Pro and much more — and make faster, more informed safety decisions.

### AreaRAE Plus

Visibility on more gas threats than ever — all in one versatile, easy-to-use device. The AreaRAE Plus can simultaneously detect toxic and combustible gases, Volatile Organic Compounds (VOCs) and meteorological factors that affect the speed and direction of the gas — all from one versatile, transportable area monitor. It also works with Honeywell Safety Suite, so you can see the real-time threat readings and location of each AreaRAE Plus — and make faster, more informed safety decisions.



### AutoRAE 2

Automatic Test and Calibration System simplifies compliance with gas monitoring tests and calibration requirements.





## WIRELESS



### MeshGuard

Finds the best available path to establish a self-forming, self-healing wireless network and delivers all sensor and alarm data to the controller of your choice.



### RAELink 3

Portable wireless router with GPS for RAE Systems AreaRAE 2.



### Mesh Router

Extends the range of wireless, up to 3 Mesh Routers can be deployed to extend the communication range between the monitors and the EchoView Host.



### RAELink 3 Mesh

Commanders and safety professionals with remote access to real-time readings, alarm status and location, automatically links to RAE Systems portable gas and radiation monitors.



### EchoView Host

Establish a self-contained wireless network with up to 8 RAE Systems portable monitors and display their real-time readings and alarm status on an easy-to-read screen.



### EchoView

Monitor MeshGuard sensor network remotely. It displays the sensor readings of up to 16 MeshGuard detectors on a wireless network and retrieves all monitor.







### RAE Point

This versatile, fixed-head wireless device can play a variety of roles in an advanced wireless infrastructure. RAEPoint can serve as a stand-alone, DC-powered, explosion-proof wireless router for a mesh network. As a remote relay, it can be configured to extend the range of the network and increase redundancy as an additional node. Separate versions are compatible with either fixed MeshGuard detectors or wireless portable detectors such as the MultiRAE and ToxiRAE Pro.



### Central Hub

The Central Hub utilizes Long Range Low Power (LoRa) radio that collects the gas sensor data from Honeywell gas detectors and reports it in real-time to the Honeywell Safety Suite software solution. The Hub supports three uplink connection methods: Ethernet, Wi-Fi and Cellular and up to 64 LoRa-enabled gas detectors.



### TPPLW

Touchpoint Plus wireless brings a whole new concept to the market. This product brings Honeywell closer to the Standard Operation Procedures and delivers more than just gas detection (Fixed and Wireless) with advantages consisting of weather data and fully configurable RAE Point.



# SAFETY SUITE

## A comprehensive solution for gas detection fleet management and worker safety monitoring

Honeywell Safety Suite offers an integrated safety ecosystem for effortless management of Honeywell portable gas detectors and docks. This all-in-one solution, powered by connected devices, analytics, and workflow automation, boosts safety, productivity, and compliance in industrial settings. Experience unified visibility, data management, and device control, ensuring worker safety in tough conditions.

**Improved Safety:** Safety Suite's real-time detector features such as real-time location information, geofence alerts, incident playback and detailed exposure detection allow you to remotely monitor the safety of your workers. In addition, alerts ensure the right people get critical alarms with customizable SMS and email notifications.

**Increased Productivity:** Minimize the time you spend on fleet management by accessing consolidated data in dashboards or reports. With Safety Suite, you can also automate maintenance tasks such as scheduled email reports, gas-detector firmware updates and data downloads to help your team manage day-to-day tasks with efficiency.

**Simplified Compliance Management:** Compliance management is simplified through alerts that help you manage detectors that are out of compliance. You can also ensure consistency and compliance by reviewing summaries of upcoming calibrations and bump-tests.

**Deployment Flexibility:** Honeywell Safety Suite is designed for how you work. It works with your existing technology, in the cloud, or on-premises, across a wide range of wireless technologies and gas-detection instruments, with the scalability and performance required for safety-critical operations.



### WIRELESS SAFETY PERIMETER

Position several Honeywell BW™ RigRat monitors to form a wireless safety perimeter.



### REMOTE MONITORING

Use with Honeywell remote monitoring software to see gas readings and other data from any device with an internet connection – for fast, informed decisions. Add an optional noise sensor or meteorological Honeywell sensor.



### TOUCHPOINT™ PLUS COMPATIBLE

Use with the Honeywell Touchpoint™ Plus controller for visibility on Honeywell BW™ RigRat monitors and workers' personal detectors.

## SAFETY SUITE PREMIUM

The Safety Suite Premium Package provides both Device Management and Real-Time monitoring capabilities that enable you to manage your gas detection fleet with minimal effort. Features such as incident playback and plume modeling help you analyze root causes and continuously improve safety procedures.

### Features

- Real-time instrument reads
- Map view with worker location
- Real-time dashboard
- Incident playback
- Plume modeling with Aloha
- Live event and geo-fence notifications
- Data sharing and mutual aid

### Benefits

- Reduced total cost of ownership
- Improved system monitoring
- Global oversight
- Centralized monitoring enables improved situational awareness

## SAFETY SUITE DELUXE

Safety Suite Deluxe simplifies data management. The software allows you to access device data and view instrument readings as well as configure devices, update firmware, and run calibrations and bump test for paired devices.

### Features

- Customizable user-defined fields and reports
- Historical data dashboard & event notifications
- Automated and Scheduled download & firmware updates
- Available for both single-drive and multi-device Operations
  - Device and sensor configuration
  - Event, calibration and bump test reporting
  - Download, store, view and export data

### Benefits

- Easier device management allows you to streamline tasks
- Simplified operations through automation, notifications and reporting
- With detailed individual instrument status, one has improved compliance
- Detailed individual instrument status allows for tracking calibration and compliance needs





# FIXED GAS DETECTION

Our range of fixed gas detection equipment features a variety of options suited for all types of applications and industries.

## GAS DETECTION



### OmniPoint™ Transmitter

A comprehensive gas detection solution designed to operate in hazardous locations and support multiple sensors in the detection of toxic, oxygen, and flammable gas hazards.



### XNX™ Universal Transmitter

A universal transmitter compatible with all Honeywell gas sensor technologies.



### Series 3000 MkII and MkIII

Two-wire loop powered intrinsically safe, toxic and oxygen gas detectors for use in potentially explosive atmospheres.



### Sensepoint XCD

Flammable, toxic and oxygen transmitter and sensor with tri-colour display for viewing status from a distance.



### Sensepoint XCD RFD

A flammable gas transmitter for use with directly or remotely mounted flammable gas sensors.



### Sensepoint XCD RTD

A gas transmitter for use with directly or remotely mounted toxic and oxygen gas sensors.





#### **Sensepoint Range**

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



#### **Sensepoint XCL**

Is a fixed point gas leak detector that is designed to meet the needs of commercial and light industrial applications.



#### **Sensepoint XRL**

Is a fixed point gas detector with Bluetooth® that allows the user to connect the gas detector to a smartphone or tablet running the Sensepoint gas detector app.



#### **Sensepoint High Temperature Sensor**

Ideal for combustible gases in high temperature areas.



#### **RAEGuard 2 PID Transmitter**

The RAEGuard 2 PID is a fixed photoionization detector (PID) that measures a broad range of volatile organic compounds (VOCs).



#### **OELD (Optima Excel Local Display)**

The OELD includes an LCD screen for gas information, a “traffic light” indicator for at-a-glance detector status, and Bluetooth connectivity for simplified, non-intrusive maintenance.



#### **Searchpoint Optima Plus**

Market leading point IR detector with 100 gases available. Optional HART® over 4-20mA output.



#### **XPT Gas Sampling System**

Designed to measure the concentration of toxic and potentially explosive substances in locations where access is difficult. Supports up to 2 channels that can be configured serial or parallel.



#### **Searchline Excel™ Plus & Edge**

Next generation open path flammable gas detectors with a medium range from 2 to 120 meters (Plus) and long range from 60 to 330 meters (Edge). Both come standard with HART® over the 4-20 mA analog output, Modbus, and Bluetooth®.



#### **Searchzone Sonik™ (Ultrasonik Gas Leak Detector)**

The new Searchzone Sonik acoustic gas leak detector complements Honeywell's established portfolio of gas detection devices, adding ultrasonic technology to a reliable mix of point and open-path gas detectors.



#### **Searchline Excel**

World renowned open path IR detector with 200m dynamic monitoring range.

## CONTROLLERS

Our selection of controllers offer flexibility and a modular approach that allows you to meet the individual requirements for your specific site.



### Touchpoint Plus

Easily configurable, wall mounted control system that supports up to 16 channels of gas detections.



### Touchpoint Plus 19" Rack

Easily configurable, rack control system supports up to 8 channels of gas detection with further 8 channels through an optional 19" rack unit.



### Touchpoint Pro

The most intuitive and flexible architecture in the market, configurations can be centralised or distributed meeting optimum compliance, safety and productivity for sites.



### Unipoint

DIN-rail mounted controller offering flexibility at low-cost.



### Polygard® 2

Multi-gas controller designed for detection of toxic, combustible, or dangerous gases in commercial and industrial applications.

## FLAME

Our range of flame detectors provides a variety of options suited for diverse applications and industries.



### FS24X Plus

The next generation 3IR flame detector for the detection of both hydrocarbon and hydrogen fires. Performance certified to FM3260 and EN54-10 and SIL2 certified to EN61508.



### FS20X

Multi-Spectrum UV/ Dual IwtxR/VIS Fire and Flame Detector with UV solar-blind sensor.



### FSL100

UV, UVIR and IR3 optical flame detectors which detects wide range HC and non-HC fires.





# HIGH TECH

Honeywell High Tech Total Gas Monitoring Solutions (TGMS) offer a comprehensive portfolio of toxic gas detection instrumentation, including multi-point ppb detection level paper-based solutions, multi-point ppm detection level IR spectroscopy and single-point ppm detection level electrochemical cartridge in applications such as semiconductor processing, research laboratories and emergency response.



## Vertex™

Fully redundant system providing ultimate safety for mission-critical applications, up to 72 points of continuous toxic gas monitoring, ppb level detection using Chemcassette® technology



## Vertex™ Edge

Cost-effective toxic gas monitoring system detects the ultra-sensitive gases in your operations, helping protect people and assets while reducing downtime.



## Vertex™ M

Cost-effective, 8-24 points of continuous toxic gas monitoring, ppb level detection using Chemcassette® technology.



## VC4

Cost-effective, low maintenance, 4-point analyzer, continuous toxic gas monitoring, ppb level detection using Chemcassette® technology.



### SPM Flex

Portable gas detector engineered to detect gas at ppb levels, with an intuitive design, suitable for clean rooms, yet rugged enough to withstand extreme outdoor environments.



### Chemcassette®

Flow through method creates well-defined, consistent stains even at low concentrations by ensuring gas flow through the Chemcassette chemical bed.



### ACM 150G2

Versatile and sensitive multi-gas IR gas detection of up to 40 points with many gases available.



### Midas® M

Fixed extractive single point with 4-in-1 multi-gas detector, easily, quickly, that draws a sample locally or from a remote point to a sensor cartridge.



### Midas®

Sensitive detection using smart sensor cartridges and Power over Ethernet (PoE).



### Midas® S2

Reliable, easy installation, improved serviceability, single point gas detection, ppm level using electrochemical technology.



# COMMERCIAL

We offer a comprehensive range of gas monitoring instrumentation for commercial buildings\*. Honeywell Gas Detection is focused on delivering maximum safety and cost efficiency.



## E3Point

Make your operation run more intelligently to protect people, property and your bottom line. Protect parking structures, indoor stadiums, commercial kitchens and more.



## 301C

Gas detection controller offers unique zoning capabilities which permit the averaging and comparison of multiple sensor readings.



## 301EM-20

The complete solution for mechanical rooms. Monitor up to 20 sensors for refrigerant, toxic and combustible gases.



## S301-IRF

This sensor detects gas leaks at the source with a discreet, rugged design made of durable ABS-Polycarbonate. Easily mountable on a chiller pad or low wall, it monitors refrigerant levels and alerts to issues.



## EC-FX

A new and improved approach to ammonia gas detection.



## GM-JR

Stand-alone module provides the versatility of a remote warning device, or a readout and relay inside a sensor housing.



## IR-F9

Protect the environment while protecting your bottom line – with precise Infrared refrigerant gas sensing solutions.



## EC-FX-NH3

The all-new ammonia sensor with a proprietary electrolyte that stands up to harsh environments.



## Vent Line

Continuously monitor for potential leaks in the vent lines of refrigeration systems.



## AirAlert 96d

Multi-channel gas detection controller that can support up to 96 sensors and relay modules. Durable enclosure ideal for industrial and commercial applications.

\* Commercial products are not available in Europe.



# GAS DETECTION SERVICE SOLUTIONS

Maximize operational safety and product uptime with Honeywell Service Solutions available for Portable Gas Detection, Fixed Gas Detection and High Tech Solutions. Our categories of service deliver a superior quality of support and engineering resources and can be tailored to your needs.

## CONTRACT SERVICES



### Maintenance Contracts

For portable devices, Honeywell provides two service contracts with four-year terms. The Platinum Solution is a total support solution that offers No Fault Coverage. The Gold Maintenance Contract is a repair service that supports the instrument's hardware.



### On-Site Daily Support

For customers who need full-service maintenance on staff, Honeywell puts certified technicians on-site as a full-time extension of your staff. As your dedicated resource, our Honeywell technician will handle all necessary maintenance functions including calibrations, device repairs, and more!





## Parts Management Contracts

Honeywell offers four convenient parts management contracts designed to ensure your equipment continues to be operational.

- **Comprehensive Parts Program:** No Fault Coverage that repairs or replaces damaged instruments.
- **Planned Parts Program:** To prevent downtime, Honeywell will automatically ship out consumable parts on a predefined schedule.
- **Parts Management:** With this program, Honeywell will allot replacement parts for your devices that can be either stored at a Honeywell site or on your premises.
- **Parts Usage:** This program allows customers to provide a blanket PO to Honeywell before unexpected maintenance, repair, or overhaul events occur, and thus expedite resolution.



## Field Maintenance Contracts

For your confidence and peace of mind, choose from Honeywell's convenient preventive maintenance packages. Honeywell Service Technicians, the only factory authorized service team, will visit your site and ensure your Honeywell devices are calibrated and functioning at their optimal level.



## Start Up and Commissioning

Our expert Field Service Technicians ensure that your device is configured and calibrated, connected peripherals are responding correctly, and your staff is trained to operate the equipment and respond to alarms.



## On Demand Repair

Honeywell offers convenient repairs on out-of-warranty devices on a per-incident basis. This service is available on-site and at our service centers depending on your device. During repair, our technicians will repair or replace defective components and calibrate devices.



## Rental Services

Honeywell offers a wide variety of rental devices to help protect your workers and assets from risks. We also offer kits, monitors and accessories along with our rental program.



## PROFESSIONAL SERVICES



### Training

Honeywell offers various training courses in equipment operation, basic maintenance, troubleshooting, and more. Our comprehensive training programs include a combination of web-based and practical hands-on exercises and can be customized to fit specific operational and budgetary requirements.



### Calibration Services

Our team of experienced service technicians help get your gas detection equipment calibrated and running smoothly, so you can focus on keeping your facility and crew safe.



### Site Survey

Honeywell conducts system expansion and modification surveys to ensure you are getting the optimal use of Honeywell devices on-site.





**For more information**

[automation.honeywell.com](https://automation.honeywell.com)

**Honeywell Process  
Measurement and Controls**

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