



Gas detection and occupational safety

# Hazard reduction

For a safer workplace

## Hazard reduction

Thermo Fisher Scientific offers a full range of gas detection solutions, to help keep workers safe in their workplace and to detect gas leaks that may present a risk to industrial plants and their neighbours. Our product range provides the key equipment for gas detection including portable and fixed gas detectors, area-gas monitors, lone worker monitors, also SCBA equipment. To complement our monitoring solutions, Thermo Fisher Scientific can provide on-site or workshop calibration/service for your equipment, in order to ensure reliability and compliance.

The products showcased in this brochure are only a small sample of our full range. Please contact us for more information.

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Gas detection



## Portable gas detection

Designed to monitor a wide variety of toxic and combustible gases, such as methane, hydrogen sulphide, carbon monoxide, carbon dioxide and oxygen deficiency.

# Safe worker single gas detectors



## Honeywell BW Solo

Next-generation wireless (Bluetooth), datalogging, single-button, single gas detector with a wide range of toxic gas models. Intelligent 1-Series Sensor for most monitored gases, with smaller size, faster response, 5-year life and 3-year warranty. Easy sensor replacement, in the field, with no tools.

## Honeywell BW Clip

Always-ON no-maintenance single-gas detector, delivering continuous detection of H<sub>2</sub>S, SO<sub>2</sub>, O<sub>2</sub> or CO, with no need for calibration, sensor or battery replacement or battery charging. Available in standard and Real Time display versions and with 2 or 3 year operation.



## MSA Altair 2X

Serviceable, rugged single or dual gas detector for H<sub>2</sub>S, CO, NO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S+CO, CO+NO<sub>2</sub>, or SO<sub>2</sub>+H<sub>2</sub>S, with 3-year device warranty and up to 3-year battery life.

## Blackline G6

Cloud-connected single gas detector for H<sub>2</sub>S, SO<sub>2</sub>, O<sub>2</sub> or CO. Offers GPS location technology emergency SOS, over-the-air configuration and up to 1-year battery life. Vital and up-to-date worker location and safety status information for quick and informed action to get ahead of risks



## Honeywell RAE ToxiRAE Pro

Wireless, single gas detector for VOCs, O<sub>2</sub>, Toxic, CO<sub>2</sub> and combustible gases. Includes Man Down Alarm with real-time remote wireless notification. Replaceable sensor, filter, and Li-ion battery.

# Confined space entry four-gas detectors



## Honeywell BW GasAlertMicroClip XL and X3

Rugged, IP68, serviceable, continuous monitor of 1 to 4 gas hazards (H<sub>2</sub>S, CO, O<sub>2</sub> and LEL). 2-years warranty for XL; 3-years for X3 and typically 5-years sensor life. Replacable sensor, rechargeable battery. Connected Worker option.

## Honeywell BW Clip4

Always-ON, IP68 4-gas detector of H<sub>2</sub>S, CO, O<sub>2</sub> and LEL, with a 2-year continuous runtime and Real Time display. Does not require battery charging, or sensor or battery replacement. Daily full self-test and non-compliance indication.



## Honeywell Icon/Icon+

Wireless (Bluetooth) 4-gas detector with simple ICON display. 2-month battery runtime and Always-ON option. 2-year warranty fixed life (Icon) or 3-year warranty serviceable (Icon+).

## Honeywell Flex4/Flex5

Serviceable, wireless (Bluetooth) 4 or 5-gas detector, with real-time display and up to 15 sensors to choose from. 2-month battery runtime, 3-year warranty.



## MSA Altair 4XR

Rugged 4-gas detector with 4 or 5-year warranty and man-down alerts. Long-life, fast XCell Sensor Technology with end-of-life indicator.

## MSA Altair io4

Rugged 4-gas detector with cellular connectivity for real-time visibility. IP68 and drop tested from 25ft. Long-life, fast XCell Sensor Technology with end-of-life indicator.

Connected Work Platform builds connections between workers and worksites, providing actionable data that helps safety managers create safer and more efficient work environments.





### **Blackline G7c/G7x**

Cloud-connected cellular or satellite, this four-gas detector provides easy access to historical/compliance data and in-field sensor cartridge replacement. Optional real-time monitoring to include man-down, SOS alerts and text/voice communication.

### **Honeywell RAE MicroRAE**

Wireless, four gas detector for H<sub>2</sub>S, CO, O<sub>2</sub>, LEL and HCN. Includes man-down Alarm with real-time remote wireless notification. Options for Bluetooth, GPS, 900MHz.



# Safe worker four, five and six-gas detectors, with integral pump



## Honeywell BW Ultra

Next-generation, ultra-rugged, five gas detector with a wide range of toxic gas models and with integrated sample pump for up to 23m draw. Intelligent 1-Series Sensor for most monitored gases, with smaller size, faster response. Bluetooth for Connected Worker.

## Honeywell BW GasAlertMax XT II

Serviceable, continuous monitor of 1 to 4 gas hazards (H<sub>2</sub>S, CO, O<sub>2</sub> and LEL), with integrated pump for remote sampling. Quick-connect tubing system secures the sampling hose in place, for easy change of tubing (up to 23m). 2-year warranty on replaceable sensors.



## Blackline G7c/G7x

Cloud-connected cellular or satellite, this four/five gas detector provides easy access to historical/compliance data and in-field sensor cartridge replacement. Optional real-time monitoring to include man-down, SOS alerts and text/voice communication.

## MSA Altair 5X

Rugged 6-gas detector with integral pump, Bluetooth connectivity, 3-year warranty and man-down alerts. Long-life, fast XCell Sensor Technology with end-of-life indicator.



## Honeywell RAE MultiRAE

Wireless, pumped gas detector for up to six gases including VOCs, PID, CO<sub>2</sub>-IR and over 15 more gases. Includes man-down Alarm with real-time remote wireless notification. Options for Wi-Fi, Bluetooth, 900MHz.

# Handheld volatile organic compound (VOC) monitors

A range of rugged pumped handheld VOC monitors, used to measure (spot-checks) chemicals produced/used in the manufacture of paints, pharmaceuticals (illicit drugs), explosives, refrigerants, petroleum fuels, hydraulic fluids, paint thinners and found in ground-water contaminants.



## Honeywell MiniRAE Lite+

An affordable hand-held monitor for VOCs that provides superior reliability for leak detection, environmental cleanup and remediation. With a photoionization detector that measures from 0-5,000ppm, a built-in flashlight and a rugged housing designed for harsh environments. Optional Bluetooth.

## Honeywell MiniRAE 3000+

An advanced VOC monitor with a photoionization detector that has an extended detection range of 0-15,000 ppm for industrial hygiene, leak detection, or HazMat response. Rapid three-second response time, built-in correction factors for more than 200 compounds, patented auto-cleaning sensor technology and a powerful sample pump for up to 100 feet. Optional Bluetooth and mesh-radio.



## Honeywell UltraRAE 3000+

An ideal VOC monitor for applications from entry pre-screening during refinery and plant maintenance to hazardous material response, marine spill response and refinery down-stream monitoring. Extended range of 0.01 to 10,000 ppm in VOC mode and 10 ppb to 200 ppm in benzene-specific mode. Built-in Bluetooth and optional RAELink3 portable modem.

## Honeywell ppbRAE 3000+

Best-of-breed monitor trusted by many of the world's leaders in HazMat Response, Civil Defense, Oil & Gas, and other hazardous environments, measuring from 1ppb up to 10,000ppm. Patented auto-cleaning sensor technology and a powerful sample pump for up to 100 feet. Optional Bluetooth and mesh-radio.



# Docking stations for portable gas detectors



## Honeywell BW IntelliDoX

Smart docking system with upto 5 independent modules for automated instrument management of BW Solo, BW Ultra, BW Clip, BW Clip4 and GasAlertMicroClip gas detectors. Fast Bump-test avoids gas wastage; data transfer via USB or Ethernet.

## Blackline G7 Dock

Calibrating and bump testing G7c and G7x devices is easy with Blackline's G7 Dock. See the real-time compliance status of all G7 equipment via the Blackline Live monitoring account.



## MSA Galaxy GX2

Docking system for Altair series of gas detectors. Test up to 10 gas detectors, simultaneously. Auto-detection of calibration gas ensures the correct settings and that you don't run out of gas.

## Honeywell RAE AutoRAE2

Simplify bump testing and calibration of your RAE gas monitors with the AutoRAE2. Deploy as a single, stand-alone unit to calibrate one instrument at a time, or networked to support up to 10 units.



## Blackline G6 Dock

The simple solution to easily calibrate, bump test and charge the G6 wearable single-gas detector. The dock leverages the connectivity of the inserted G6 wearable to communicate device test data to the cloud for automated compliance tracking and reporting. No ethernet connection required.

## MSA Altair io-Dock – Altair io4 Test Stand

Smart dock for effortless calibration and bump testing of Altair io4, which helps to improve compliance and safety. Dock will first perform a bump test: if the bump test fails, it will then proceed to perform a calibration. Optional cylinder holder for RFID tagged cylinders provides indication of low, empty, or expired calibration gas.



# Wastewater odour/gas loggers



## OdaLog G20

The next generation of IECEx certified portable gas loggers, now with Smart Sensor technology for predictive maintenance and health indication and with a long deployment period of up to 90 days.

# Area gas detectors



## Honeywell BW RigRat

Transportable Local Area Gas Monitor, for temporary/shutdown, confined space and situational monitoring and for perimeter monitoring with “chained” devices. Mains, battery or solar power options, upto six gas sensors, bluetooth access, weatherproof and IECEx Zone 0 rated, options for noise and meteorological monitoring, Wifi and radio.

## Blackline G7 EXO

Cloud connected, transportable Local Area Gas Monitor, for temporary/shutdown, confined space and situational monitoring, with SOS-latch, integrated cellular communications and two-way voice calling to a live monitoring team. Mains, battery or solar power options, upto 5 gas sensors, weatherproof and IECEx Zone 0 rated. Optional satellite communications.



# Gas detector fleet management



## Honeywell Safety Suite

Honeywell Safety Suite software is designed to enhance worker safety, while providing the tools for Honeywell gas detector compliance and fleet management. Maintain and track your fleet of devices and monitors workers' exposure to gas in real time.

## MSA Safety\_io

Cloud software service and real-time alert system for managing your MSA portable gas detection fleet, with daily e-mail notification of fleet status, reports for calibrations, detector records and alarms.



## Blackline Live Portal

With the Blackline Live web-portal the safety status of every team member is visible at a glance using Blackline Live's real-time maps. Historical data and compliance data may be accessed for the Blackline G6 single gas detector, the G7 single/multi-gas detector and the G7 EXO area monitor, all wirelessly.



Hazard reduction

## Lone worker safety

Work alone solutions for every industry. We provide innovative solutions to support lone workers, evacuation management, and your environmental gas detection needs.

# Lone worker safety

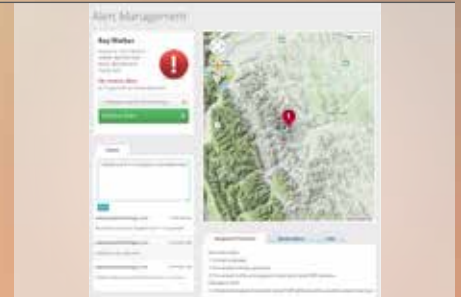


## Blackline G7c and G7x

Always-connected cellular or satellite wireless lone worker monitor, with fall-detection, no-motion detection, missed check-in detection, and SOS emergency trigger. Communication via text, voice or push-to-talk. Combine with upto 5 gas sensors to provide full lone worker safety.

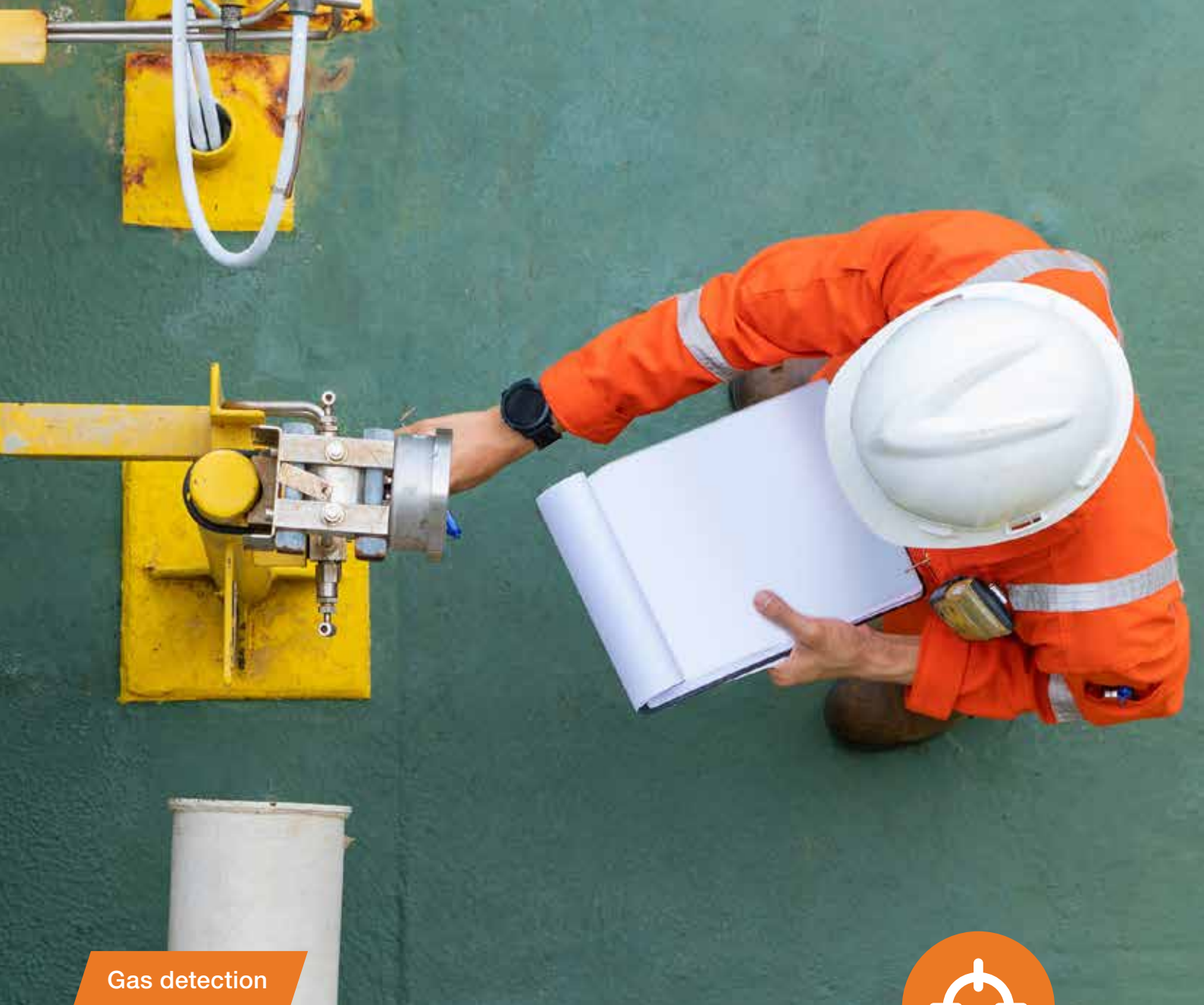
## Blackline Live Monitoring

The Blackline Live web-portal provides full indication of a remote worker's G7 safety status, 24/7. On receipt of an alert, monitoring personnel follow their protocol to contact the worker, by text or voice, logged and date stamped. Gas sensors wirelessly communicate compliance and usage data also to the portal.



## Blackline Analytics

Blackline Analytics offers a comprehensive look at data being collected by your device fleet. This includes such as a usage and compliance report; a bump test and calibration report; a gas readings report plotting gas readings over time, showing where each reading occurred on an interactive map; and event/incident reports showing when and where alerts are occurring and what types of alerts are most common.



Gas detection



## Fixed gas detection

Innovative technologies designed to monitor a wide variety of toxic and combustible gases found throughout the Petrochemical, Wastewater, Power Generation, Mineral Processing, Metal Smelting and Manufacturing industries

# Fixed gas detection

## Industrial Infra-red flammable gas detectors



### Honeywell Searchline Excel Edge and Plus

The latest in infra-red open-path hydrocarbon gas detection, up to 330m. Bluetooth enabled for smart-device interrogation, HALO-LED indication and integral I/O for analog, relay, HART and Modbus outputs.

### Honeywell Searchline Excel

World renowned infra-red open-path hydrocarbon gas detector, for use in potentially explosive atmospheres. Pathlength upto 200m, for wide area coverage, with very high speed of response, to provide earliest warning.



### Honeywell Searchpoint Optima Plus

Market leading infra-red point hydrocarbon gas detector, for use in potentially explosive atmospheres. Fastest speed of response and fail-to-safe operation, suitable for oil and gas platforms, terminals, refineries.

### Honeywell Optima Excel Local Display

Smart junction box for the Searchpoint Optima Plus and Searchline Excel infrared detectors for flammable hydrocarbons. Features worldwide hazardous approvals, Bluetooth connectivity to smart device, and tri-colour display. Interrogate gas detector from a distance, without the need for working-at-heights permit.



## Light industry/commercial gas detectors



### Honeywell Sensepoint XCL

Bluetooth enabled single-gas detector monitoring toxic and combustible gases and oxygen, in commercial and light industry - boiler rooms, fuel stations, car-parks, labs, breweries. Easily commissioned via a smart device or Touchpoint Plus controller.

## Industrial ultrasonic gas leak detectors



### Honeywell Searchzone Sonik

Acoustic ultrasonic gas leak detector complementing Honeywell's established portfolio of gas detection devices. Reliable gas leak detection even in the harshest weather, with Bluetooth connectivity for commissioning.

## Industrial gas detectors



### Honeywell Sensepoint XCD

All-in-one flammable, toxic and oxygen gas sensor and explosion-proof transmitter, for potentially explosive atmospheres. Transmitter features a tri-colour display for viewing status from a distance. RFD and RTD versions for other hazardous classes.

### Honeywell Sensepoint XRL

Bluetooth enabled single-gas detector monitoring toxic and combustible gases and oxygen, in outdoor and hazardous areas. Easily commissioned via a smart device or Touchpoint Plus controller.



# Industrial gas detectors



## Honeywell Series 3000 MkII and MkIII

2-wire loop powered toxic and oxygen gas sensor and transmitter for the protection of personnel in potentially explosive atmospheres.

## Honeywell XNX Universal Transmitter

Universal transmitter compatible with all Honeywell Gas Detection technologies. Satisfies Class 1/Class 2 intrinsically safe, explosion-proof requirements in oil, chemical, wastewater and other industries.



## Honeywell Sensepoint

Certified flammable, toxic and oxygen gas detectors, suitable for potentially explosive atmospheres. High quality, low cost solution.

## Honeywell RAEGuard 2 PID

Photoionisation detector (PID) measuring a broad range of volatile organic compounds (VOC), in potentially explosive atmosphere of paint/solvent industry, refineries, power, petro-chem.



## Hi-tech/low range gas detection



### Honeywell Midas

Single gas sensor/transmitter for monitoring up to 35 toxic, ambient and flammable gases in such as light industry, laboratories, wastewater plants.

### Honeywell SPM Flex

Using Chemcassette tape technology, simply snap in the appropriate tape and operate as a fixed or portable unit. Detects ultra-sensitive gases including hydrides, mineral acids, amines, oxidizers and more, down to ppb levels. Portable for emergency response, suspect leaks.



# Controllers



## Honeywell Unipoint

Simple DIN rail mounted controller offering integrators a flexible and low- cost solution to incorporate flammable, toxic or oxygen gas detection into their control systems.

## Honeywell Touchpoint Plus

An easily configurable, wall-mounted control system that supports up to 16 gas detection channels. Numerous output options - 4-20mA, relay, Modbus.



## Honeywell Touchpoint Pro

Complete centralized safety system, cabinet or rack mounted, monitoring up to 64 detection channels. Numerous inputs, outputs and relay modules, Modbus, Ethernet, web-server interface.

# Hazardous area communications



We offer a comprehensive range of certified Manual Alarm Call Points, Alarm Beacons and Sounders for use in potentially explosive atmospheres and extreme environmental conditions.

# Calibration gas

Routine testing and calibration of gas detection equipment with quality test gas is critical to the accuracy and reliability of your instruments. We offer a comprehensive range of specialty test gases and regulators suitable for response testing and calibration of fixed and portable gas detection instruments.



## Cylinders

Our test gases come in a variety of sizes ranging from 34 litres through to 116 litres.

## Regulators

We offer a variety of gas pressures regulators with various pressure ranges.





Hazard reduction



## Other hazard reduction and safety products

We offer a range of equipment to compliment our gas detection solutions.

# Self-contained breathing apparatus



## **MSA Safety SCBA Platform**

The MSA M1 SCBA Platform is an advanced, ergonomic, and modular SCBA system which was designed and developed side-by-side with firefighters. Choices range from a basic “work” model to a “professional” model with advanced harness and pneumatics.

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Service and calibration

# We've got your back

## Let our service and calibration experts support your important work

### Thermo Fisher Scientific, your true industry service partner

Thermo Fisher Scientific is your industrial partner, focused on helping you to improve process efficiency and minimise unplanned downtime.

We offer technologically advanced monitoring and measurement instrumentation to enable plants in power, mining, municipal, food and beverage, and more, to improve production efficiency, improve the lifecycle of their existing assets, and ensure environmental compliance. This is backed by our NATA calibration and service support capabilities.

We have service centres in Melbourne, Sydney, Brisbane, Perth and Auckland and offer on-site calibration services that guarantee a convenient servicing location as well as minimising equipment downtime and a cost-effective solution for all your calibration requirements.

Our factory trained technical service team is equipped with the global knowledge and tools to support your organisation when instruments require repair, service and calibration. They're factory trained to ensure we can offer a guarantee on our workmanship with anything we do as well as only using genuine parts to maximise your instrument uptime. Why risk using anyone else when Thermo Fisher stand behind everything we do.

In many cases, we can offer a maintenance agreement to minimise the financial impact on your business by giving you greater working capital increasing your cashflow; talk to us today to find out how we can tailor a service solution to meet your business needs.

Learn more at [thermofisher.com/hazardreduction](https://thermofisher.com/hazardreduction)