

# Fixed-Point Industrial Fire and Gas Detection

**Honeywell**



**Protecting People, Property and  
Environment from Dangerous Fires  
and Hazardous Gases**



# A Complete Range of Fixed-Point Gas Detectors And Sensing Technologies



## Honeywell Analytics Offers Enhanced Safety and Productivity for Industrial Applications

Look to Honeywell Analytics, the world-leading specialist in fire and gas detection and sensing technology, for a complete range of fixed-point gas and flame detectors, controllers and accessories that provide the best assurance of protection from toxic and flammable gas threats. When you do business with us, you benefit from our comprehensive approach to safety — one that's also focused on increasing your company's productivity and performance, operational uptime and profitability.

**Decades of experience and a commitment to innovation have ensured that each of our products is manufactured to the highest standards of quality and reliability. The result is total protection for people, property and processes—in the toughest conditions and the most extreme environments.**

### **XNX™ Universal Transmitter**

Supports all Honeywell gas sensing technologies (point, open-path infrared, cat bead, electrochemical) and industrial communications (HART®, MODBUS®, FOUNDATION® FieldBus). EDDL software from Honeywell Analytics makes it easy to manage gas detection data right from your PC. Real-time advanced diagnostics provide quick, easy visibility to devices in the field. It is also compatible with third-party DCS.



### **Fire Sentry Fire and Flame Detectors**

Our Fire Sentry UV, UV/IR and Triple IR flame detectors are the leaders in electro-optical fire detection. They feature solid-state digital microprocessor electronics, multi-spectrum and multi-spectral WideBand IR™ quantum sensors and FirePic™ for postulating the cause of fire events.



# Oil & Gas Applications



## Honeywell Analytics is the Name for Fire and Gas Detection, Upstream and Downstream

It's quite an accolade for Honeywell Analytics that Sieger has become the brand name synonymous with gas detectors used in extreme environments and difficult conditions. Likewise, we are proud to add Fire Sentry flame detection to our portfolio of industrial product offerings

When the consequences of a broken pipeline, valve leak, fire or other system failure can be massive, even disastrous—and with help far away—it is important to prevent problems from initially arising.

Honeywell Analytics' fire and gas detection systems, combined with our global technical support network, provide the best reassurance of safety possible for those who work at production facilities and for those who live nearby.

**Honeywell Analytics' Industrial line of fire and gas detectors are renowned for robust construction, reliable performance and wide-ranging analytical capabilities. Our fire and gas detectors are used extensively on floating production storage and offloading (FPSO) vessels, as well at onshore and offshore oil and gas facilities. When the very best fixed-point fire and gas detection is required, Honeywell Analytics is the name that safety managers request. Whether the need is for gas detectors, complete gas detection systems, fire and flame detectors or an integrated fire and gas system, Honeywell Analytics has the solution.**

### Gas Detectors & Transmitters

XNX



Searchpoint Optima Plus with XNX



Sensepoint XCD



Searchline Excel with XNX

### Controllers

HA-20/HA-40



HA-71



XLS3000



### Flame Detectors

Fire Sentry Series



- UV
- UV/IR
- Triple IR





# Water and Waste Water Treatment Applications



## Quality Solutions for Large or Compact Installations

Environmental research shows that wastewater gases can undermine the health and well-being of residents, fish and aquatic life, and even affect wastewater treatment processes. Wherever wastewater gases collect, toxic and combustible gases pose a threat. Plant workers must also be on guard against the danger of asphyxiation in confined spaces, and the serious nuisance of gaseous odors. In every case, a strategic gas monitoring program is a must. Whether it's a large or compact installation, Honeywell Analytics can deliver a solution that's reliable, flexible, innovative and cost effective. Put your trust in us and we'll do the job that earns your respect.

### Gases Monitored

- Hydrogen Sulfide
- Carbon Dioxide
- Chlorine
- Sulfur Dioxide
- Ozone
- Methane
- Solvent Vapors

### Typical applications:

- |  |   |
|--|---|
| Anaerobic Digesters Both Fixed & Floating Cover                      | Pumping Stations                        |
| Digester Control Building  | Screen Facilities (Course & Fine)       |
| Digester Gas Processing Rooms  | Flow Equalization Tanks                 |
| Underground (piping) Tunnels Containing Natural or Sludge Gas Piping | Grit Removal Tanks                      |
| In-vessel Compositing  | Pre-Aeration Tanks                      |
| Alcohol Storage  | Primary Sedimentation Tanks             |
| Incinerators   | Oxygen Aeration Tanks                   |
| Chlorination Room  | Scum Handling Building                  |
| Chlorine Storage Tanks & Room  | Scum Pits                               |
| Ammonia Storage Tanks & Pipes  | Scum Pumping Areas (Wet & Dry Side)     |
| De-chlorination Processes  | Sludge Thickener                        |
| Sulfur Dioxide Storage Tanks   | Sludge Storage Areas                    |
| Wet Wells  | Sludge Blending Tanks and Holding Wells |

## Gas Detectors & Transmitters

XXN



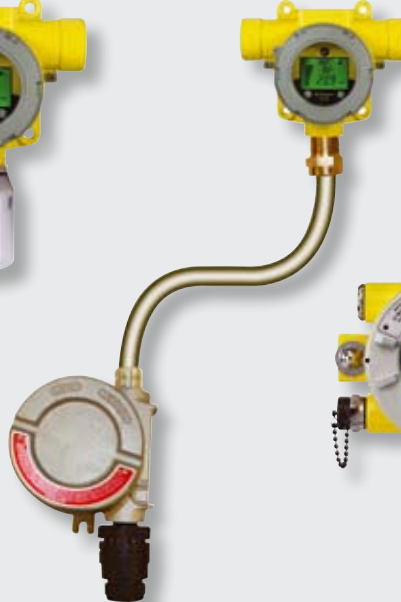
Satellite XT



Sensepoint XCD



Sensepoint XCD with Remote Transmitter



Searchline Excel with XNX



Searchpoint Optima Plus with XNX



# Light Industrial Applications



## Reliable Detection and Protection

The superior sensing technology in Honeywell Analytics gas detection products make it suitable for a wide variety of industrial applications within chemical, petrochemical, agriculture, printing and other industries. Consult Honeywell Analytics for a practical and cost-effective approach to your gas detection requirements.

**Honeywell Analytics' extensive selection of gas sensing devices offers the industrial safety manager a "one-stop" solution for choosing a compatible gas detection system— with the flexibility to monitor gas hazards in a large area or several discrete locations from a convenient central site.**

### Controllers



HA-20



HA-40



HA-71

### Gas Detectors, Transmitters & Sensors

Sensepoint XCD with Sensepoint Sensor



Satellite XT



705 HT Sensor



### Flame Detectors

Fire Sentry Series



- UV
- UV/IR
- Triple IR

#### Specialty Chemicals Industry

**Gases monitored:** TDI, MDI, HDI, MMH, N<sub>2</sub>H<sub>4</sub>, TBA, TBP, XDI, MDA, HCN, SiH<sub>4</sub>, Si<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub>, B<sub>2</sub>H<sub>6</sub>, GeH<sub>4</sub>, AsH<sub>3</sub>, PH<sub>3</sub>, H<sub>2</sub>Se, WF<sub>6</sub>, SbH<sub>3</sub>, Boron Trifluoride, Nitrogen Trifluoride, SF<sub>6</sub>, CH<sub>2</sub>F<sub>2</sub>, CH<sub>3</sub>F, C<sub>4</sub>F<sub>6</sub>, C<sub>5</sub>F<sub>8</sub>, Refrigerants, R11, R12, R22, R123, R125, R134a.

#### Inorganic Chemicals Industry

**Gases monitored:** Hydrogen, Acetylene, Hydrogen Fluoride, HNO<sub>3</sub>, HCl, HPO<sub>3</sub>, Phosgene, H<sub>2</sub>O<sub>2</sub>, F<sub>2</sub>, Br<sub>2</sub>, Cl<sub>2</sub>, HBr, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, BF<sub>3</sub>, Nitrogen Dioxide, Nitric Oxide, O<sub>3</sub>, Carbon Monoxide, Sulfur Dioxide, Oxygen Deficiency with Helium, Medical Gases & Ethylene Dioxide.

#### Plastics and Fibers Industry

**Gases monitored:** Olefins, Alkanes, Alkenes, LNG, Aromatics, Toluene, Phenol, Benzene, Mineral Acids, Halogens, Ammonia, Oxygen, Carbon Monoxide, O<sub>3</sub>.

#### Agricultural Industry

**Gases monitored:** Hydrogen, Acetylene, Hydrogen Fluoride, HNO<sub>3</sub>, HCl, HPO<sub>3</sub>, Phosgene, H<sub>2</sub>O<sub>2</sub>, Fluoride, Br<sub>2</sub>, Cl<sub>2</sub>, HBr, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, Boron Trifluoride, Nitrogen Dioxide, Nitric Oxide, O<sub>3</sub>, Carbon Monoxide, Sulfur Dioxide, Oxygen Deficiency with Helium, Medical Gases & Ethylene Dioxide.

#### Printing Industry

**Typical Applications:** Exhaust lines, exhaust cleaning, press rollers washing, system room & solvent stocks.



# Food Processing/Cold Storage Applications



## Manning Systems by Honeywell Analytics: Robust, Reliable and Easy to Maintain

Honeywell Analytics Manning brand gas detectors are ruggedly constructed for long-term reliability and ease of maintenance in the harsh industrial environments typical of food processing and storage plants. Applications include fruit and vegetable processing, meat and poultry processing, baking and other energy intensive operations that utilize gas.

Our broad selection of electrochemical and infrared diffusion-type gas detectors offer excellent choices for long-term, trouble-free operation. Unlike sample draw systems, diffusion sensors can continuously monitor an entire facility without concern for pump or filter maintenance, sample dilution or moisture in sample draw lines. Degradation inherent to sample draw systems is not a concern with the solid reliability of diffusion devices. This is especially apparent in facilities with continuous high moisture levels.

## Honeywell Analytics goes beyond the challenge of regulatory compliance to protect your company's plant, people, processes and environment—and ultimately, its bottom line.

### Gas Detectors & Sensors

AirScan iR-F9



Vent Line



EC-F9-NH3



### Controllers

HA-40



HA-71



AirAlert™ 96d



### Typical Applications in Food Processing/Refrigeration:

- Cold Storage
- Engine Rooms
- Processing Areas
- Vent Line Relief
- Emergency Shunt Trip
- Personnel Protection

### Gases monitored:

- Ammonia
- Carbon Dioxide
- Carbon Monoxide
- R-22
- R-407
- R-422d
- R-410a
- R-404a
- R-134a
- R-507
- Chlorine
- Chlorine Dioxide



# Continuing support to protect your business



## Technical Services

Honeywell Analytics provides the best-quality gas detection equipment in the world so that businesses can get on with doing what they do best – running their business. Our objective is simply to take care of your safety requirements and to minimize any downtime gas safety issues. Using the best quality equipment is essential, but all equipment needs to be properly serviced and maintained. Honeywell Analytics provides a range of service levels to ensure the support needed to keep businesses running safely.

### Systems Integration

Our Systems Integration Group provides a complete range of control and visualization services for our customers including network design, project management, system installation, commissioning/testing, and customer training.

### Commissioning

For extra reassurance, systems can be installed and commissioned (or tested) by qualified Honeywell Analytics Service Engineers. Our specialists will check for installation, as well as provide any training that may be required.

### Equipment Rental

There's no need to take risks with safety. If equipment purchases can't be justified or needs are difficult to assess, equipment can be rented and configured to specific site requirements. Equipment is available on either short or long-term lease arrangements.

### Field Calibration

All precision equipment must be regularly serviced, calibrated and maintained. Honeywell Analytics offers full service technical support for the full range of fixed and portable equipment, as well as training in the use and maintenance of our instruments.

### Field Service

Our Field Service team is on call 24 hours a day, 7 days a week, to ensure site safety and that business performance is never compromised. We have a global network of fully qualified and highly skilled engineers ready to meet any emergency need.

### Preventive Maintenance

Proper maintenance will maintain performance and enhance the bottom line. Honeywell Analytics offers a customized Preventive Maintenance Program, performed by skilled engineers, to keep equipment operating at peak performance.

### On-site Maintenance

Having a Honeywell Analytics On-Site Service Engineer on-call eliminates the need to employ and train equipment support staff. An On-Site Service Engineer can respond immediately to inquiries and promptly resolve problems, minimizing downtime.

## Honeywell Analytics Global Service Team excels at finding solutions to technical issues and ensuring that operational uptime is maximized.

### Specialized Training

Honeywell Analytics offers on-site training worldwide, which can be customized to meet the needs of your specific equipment, site application and attendees.

### Extended Warranty

Our Extended Warranty Program provides customers with confidence, convenience and return on investment. Combined with our Preventive Maintenance and Calibration contract, we provide one of the most comprehensive maintenance programs available in the industry.

