



**Protect the environment while protecting your bottom line — with precise Infrared refrigerant gas sensing solutions from Honeywell Analytics**

# Manning AirScan™ IRF9 sensor/transmitter



## Refrigerant Specific

- Rapid response to refrigerants including R-404a, R-22, R-507a, R-134a, R-407a, R-410a, R-422d, HFO-1234yf, NH<sub>3</sub> and CO<sub>2</sub>
- Internal monitoring of 4/20 mA loop circuitry continuously
- Compliant with new monitoring standards set by CARB

## Diffusion-Design Sensor

- Has no moving parts and doesn't require pumps or filters
- All points of detection can be monitored continuously at an affordable cost

## Versatility

- Can be used with any Honeywell Analytics readout
- Standard range of 0-3,000 ppm, can be rescaled for lower trip points
- Provides a linear output of 4/20 mA as a function of refrigerant concentration
- Simple, real-time calibration eliminates maintenance downtime
- Automatically adapts to fluctuating temperatures

## Long-Lasting Performance

- Unique internal reference channel compensates for dust particles, source degradation, humidity and temperature fluctuation, food odors, chemical cleaners, etc.

## ATMOS™ Technology

- Allows for operation down to -60°F and in condensing humidity environments or during washdown
- Automatically adapts to its environment and provides accurate and reliable performance under the harshest conditions

## SensorCheck™ Technology

- Checks operating parameters of sensors and sends a notification output signal if an anomaly is identified
- Tests the sensor every 24 hours for electrical viability
- Indication can be detected by a Manning gas monitor or PLC

## Housing

- High-mass metal bench provides structural and thermal stability and greater immunity to vibration
- Superior EMI/RFI shielding

## Be green and save green. Choose Honeywell Analytics for all your refrigerant gas monitoring needs.

The industrial refrigeration industry is changing rapidly. The manufacture of R-22 and other HCFCs are being phased out. Influential organizations such as EPA and CARB (California Air Resources Board) are enforcing lower level monitoring requirements. Manufacturers of cooling systems are introducing new equipment that runs on 407a, 422d, 410a, HFO-1234yf, NH<sub>3</sub> and CO<sub>2</sub>. In step with these changes, EPA fines have escalated for anyone venting ozone-depleting gases. What's your best move? Contact Honeywell Analytics to learn how to detect for these new refrigerants. With Honeywell Analytics, you can green the environment—and green your bottom line.

Honeywell Analytics Infrared monitoring solutions are designed to help your plant operate more efficiently and cost effectively. Unlike sample draw systems which take longer to pinpoint a gas leak, our diffusion sensing technology cuts downtime and the cost of expensive refrigerant replacement. Other technological advantages include flexible standalone or networkable configurations, long operating life expectancy (10+ years); fewer calibration requirements; self-monitoring SensorCheck technology; EPA compliance including newer requirements set by CARB (California Air Resources Board); and accurate, reliable response to the most common refrigerant gases used in industrial or commercial processes.



## Applications

- Banana and Produce Rooms
- Beverage Plants
- Wineries and Breweries
- Confined Space Entry
- Food Processing
- Gas Bottling Plants
- Ice Rinks
- Product Coolers
- Rack Houses
- Refrigeration Systems
- Supermarkets

## Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

## Contact Honeywell Analytics:

### USA, Central and South America

Honeywell Analytics, Inc.  
405 Barclay Boulevard  
Lincolnshire, Illinois 60069  
USA  
Toll-free: 800.444.9935  
Fax: 913.712.5580  
Toll-free fax: 888.328.2417  
[detectgas@honeywell.com](mailto:detectgas@honeywell.com)

## Technical Services

[ha.service@honeywell.com](mailto:ha.service@honeywell.com)

[www.honeywell.com](http://www.honeywell.com)

### Canada

Honeywell Analytics  
3580 Rue Isabelle Unit 100  
Brossard, Quebec  
Canada  
J4Y 2R3  
Main Phone: +1.800.563.2967  
Main Email: [hasales.canada@honeywell.com](mailto:hasales.canada@honeywell.com)  
Main Fax: +1.450.619.2525  
[detectgas@honeywell.com](mailto:detectgas@honeywell.com)

## Europe and the rest of the world

Life Safety Distribution GmbH  
Javastrasse 2, 8604 Hegnau  
Switzerland  
Main Phone: +41 (0)44 943 4300  
Fax: +41 (0)44.943.4398  
[gasdetection@honeywell.com](mailto:gasdetection@honeywell.com)

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