



**Protect the environment while protecting your bottom line — with 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-507, R-134a, R-407a, R-410a, R-422d, NH<sub>3</sub> and CO<sub>2</sub>
- Internal monitoring of 4/20 mA loop circuitry continuously

## 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 odours, 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, and manufacturers of cooling systems are introducing new equipment that runs on 407a, 422d, 410a, 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? 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; guaranteed EPA compliance; and accurate, reliable response to all refrigerant gases used in industrial or commercial processes.



## Applications

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

## Find out more

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

## Contact Honeywell Analytics:

### Americas

Honeywell Analytics, Inc.  
405 Barclay Blvd.  
Lincolnshire, IL 60069  
USA

Tel: 847.955.8200  
Toll-free: 800.538.0363  
Fax: 847.955.8210  
[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  
4006 Matte Blvd., Unit G  
Brossard, QC, Canada  
J4Y 2P4  
Toll-free: 800.563.2967  
Tel: 450.619.2450  
Fax: 888.967.9938  
[detectgas@honeywell.com](mailto:detectgas@honeywell.com)

### Europe, Middle East, Africa

Life Safety Distribution AG  
Weiherallee 11a  
CH-8610 Uster  
Switzerland  
Tel: +41 (0)44.943.4300  
Fax: +41 (0)44.943.4398  
[gasdetection@honeywell.com](mailto:gasdetection@honeywell.com)

### Asia Pacific

Honeywell Analytics, Asia Pacific  
#508, Kolon Science Valley (1)  
187-10 Guro-Dong, Guro-Gu  
Seoul, 152-050  
Korea  
Tel: +82 (0)2.2025.0307  
Fax: +82 (0)2.2025.0329  
[analytics.ap@honeywell.com](mailto:analytics.ap@honeywell.com)

# Honeywell