



Contact Information

USA

405 Barclay Blvd.
Lincolnshire, IL 60069
USA

Order Status, Pricing Information and Product Availability

Tel: +1.888.955.2585 (press 1)

Order Placement or Making Changes to an Order

Email: hasales.us@honeywell.com

Fax: +1.847.955.8210

Product Information and Application Questions

Tel: +1.888.955.2585 (press 1)

Email: hasales.us@honeywell.com

Product Information, Application Support & Written Quotations

Call or email your Regional Sales Managers

Technical Support

Tel: +1.888.955.2585 (press 2)

Email: haservice.workshop.us@honeywell.com

Latin & South America

Marginal da Rodovia dos Bandeirantes,
100 - Distrito Industrial
Jundiaí, São Paulo – Brazil
ZIP: 13213-008

Tel: +55 11 3309 1030

Fax: +55 11 3309 1005

Email: ha.latinamerica@honeywell.com

Canada

2840 2nd Ave SE
Calgary, Alberta, Canada
T2A 7X9

3580 Rue Isabelle Unit 100
Brossard, Quebec, Canada
J4Y 2R3

Order Status, Pricing Information and Product Availability

Tel: +1.800.563.2967 (select language + press 1)

Order Placement or Making Changes to an Order

Email: hasales.canada@honeywell.com

Fax: +1.450.619.2448

Product Information and Application Questions

Tel: +1.800.563.2967 (select Language + press 1)

Email: hasales.canada@honeywell.com

Product Information, Application Support & Written Quotations

Call or email your Regional Sales Managers

Technical Support

Tel: +1.800.563.2967 (select language + press 2)

Fax: +1.450.619.2447

Email: haservice.canada@honeywell.com

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Note
Please note that specifications and exact product offering are subject to change without notice. Additional shipping and handling fees may apply for some products. This publication is not intended to form the basis of a contract.

E³Point

Toxic & Combustible Gas Monitor



CO, NO₂, H₂S, H₂, O₂, CH₄, C₃H₈



Remote Sensor



Sensor Cartridge

Make your operation run more intelligently to protect people, property and your bottom line. Protect parking structures, loading docks, transport terminals, hospital/ambulance bays, car washes, battery charging rooms and hydrogen tanks, commercial kitchens, indoor stadiums, outbuildings and more.

Note: Non-branded versions of this product are available upon request.

Flexible Operation

- Comes in standalone, standalone with remote (dual gas mode) or network versions
- Connects to analog or digital systems
- Works with virtually any BAS including BACnet or Modbus
- Wall or duct mount
- Factory-calibrated cartridges

Cost Effective

- Saves energy through Demand Control Ventilation (DCV)
- Simplifies installation/maintenance through plug-n-play sensor
- Remote sensor option provides dual gas monitoring (standalone version only)
- Optimizes BAS, fire, ventilation and other security systems

Versatile Communications

- Works through BAS to improve fault diagnostics and collect data on gas concentration levels, sensor condition, etc.
- Couple with 301C to log data and daisy-chain up to 96 E³Point units

Advanced Sensing Technology

- Detects CO, NO₂, O₂, H₂, H₂S, CH₄, C₃H₈
- Advanced electrochemical (for toxic gases) and catalytic bead (for combustible gases) sensor performance
- Uses patented Reflex[®] and smart cartridge technologies

Range of Accessories

- Factory-calibrated replacement cartridges
- Power transformer
- Vandal-resistant steel wire detector guards
- Tamper-proof screws
- Horns and strobes

Applications

- Parking Structure
- Loading Dock Transport Terminal
- Golf Cart Maintenance
- Battery Charging Area
- Maintenance Garage
- Hospital/Ambulance Bay
- Fire/Police Station
- Car Wash
- Battery Charging Rooms
- H₂ & Hydrogen Tanks
- Commercial Kitchen C₃H₈
- Boiler rooms

Certifications

- Intertek Classified to: UL 61010-1; and CSA C22.2 No. 61010-1-04
- COLA (City of Los Angeles) approved for carbon monoxide detection in commercial buildings and parking garages

E³Point Analog (Single or Dual Gas)	Model Number	Order Number
E ³ Point without sensor, wall mount, analog, 24 V _{AC} /V _{DC}	E3SA	1309A0042
E ³ Point without sensor, wall mount, analog, 120 V _{AC}	E3SAH	1309A0043
E ³ Point without sensor, duct mount, analog, 24 V _{AC} /V _{DC}	E3DA	1309A0049

Note: Sensor cartridge sold separately (see list below).

E³Point Network (Single Gas, BACnet or Modbus Selectable)	Model Number	Order Number
E ³ Point without sensor, wall mount, Modbus/BACnet, 24 V _{AC} /V _{DC}	E3SM	1309A0047
E ³ Point without sensor, duct mount, Modbus/BACnet 24 V _{AC} /V _{DC}	E3DM	1309A0051

Note: Sensor cartridge sold separately (see list below).

E³Point Sensor Cartridges	Model Number	Order Number
Carbon monoxide (CO); -20° to 50°C (-4° to 122°F)	E3SCO	1309A0038
Nitrogen dioxide (NO ₂); -40° to 50°C (-40° to 122°F)	E3NO2	1309A0037
Hydrogen sulfide (H ₂ S); -40° to 50°C (-40° to 122°F)	E3H2S	1309A0035
Hydrogen (H ₂); -40° to 50°C (-40° to 122°F)	E3H2	1309A0039
Oxygen (O ₂); -40° to 50°C (-40° to 122°F)	E3O2	1309A0036
Methane (CH ₄); -40° to 50°C (-40° to 122°F)	E3M	1309A0040
Propane (C ₃ H ₈); -40° to 50°C (-40° to 122°F)	E3P	1309A0041

E³Point Remote Gas Sensor (For use with E³Point Analog Units Only)	Model Number	Order Number
E ³ Point remote sensor, carbon monoxide (CO)	E3SRMCO	1309A0060
E ³ Point remote sensor, nitrogen dioxide (NO ₂)	E3SRMNO2	1309A0057
E ³ Point remote sensor, hydrogen sulfide (H ₂ S)	E3SRMH2S	1309A0058
E ³ Point remote sensor, hydrogen (H ₂)	E3SRMH2	1309A0059
E ³ Point remote sensor, oxygen (O ₂)	E3SRMO2	1309A0056
E ³ Point remote sensor, methane (CH ₄)	E3SRMM	1309A0061
E ³ Point remote sensor, propane (C ₃ H ₈)	E3SRMP	1309A0062

E³Point Accessories	Model Number	Order Number
Protective wire guard for E ³ Point	E3PT-CAGE	1309-0071
E ³ Point tamper-proof kit	E3T-PK	1309K0001
Splash guard enclosure	ECLAB	1309K0003
Bump test kit; includes balloon adapter and quad gas cylinder: H ₂ S (40 ppm), CO (200 ppm), CH ₄ (2.5%), O ₂ (10%)	TEST-1A	TEST-1A
Test cap with hose for E ³ Point	–	131635-L3
Regulator for 58 L / 103 L cylinder (0.5 LPM) for E ³ Point	–	M-502875
Polyurethane tubing, 6 mm O.D. x 4 mm I.D., 1 ft. / 30 cm	–	M-502730

301C

Oxygen, Toxic & Combustible Gas Controller



The 301C Controller continuously monitors and controls toxic gases, combustible gases, and oxygen hazards. Designed for installation and operational simplicity, the 301C reduces the cost of installation and ownership.

Using an addressable RS-485 Modbus communication protocol, the 301C uses daisy chain wiring requiring only 2 pairs of wires to connect up to 96 transmitters on the 3 input channels. This simplifies installation, in turn lowering costs. The 301C's zoning and averaging abilities significantly reduce operational and maintenance costs.

Note: Non-branded versions of this product are available upon request.

User Friendly

- Zero maintenance
- Automatic quick self-test and warm-up
- Continuous alphanumeric display

Inexpensive and Reliable

- Low installation costs
- Allows for up to 126 zoning groups which can save energy and extend fan and relay life
- Manages up to 180 events with programmable latching alarms

Flexible Operation

- Modbus compatible; with BACnet/IP available
- Interchangeable transmitters able to detect different gases
- Expands to handle up to 96 transmitters or relay modules
- Programmable time delays
- Integrated time clock enables scheduling of system operations

Safety Measures

- Full array of visual indicators and integrated 65dBA alarm levels

- Fully programmable relays (can be set as fail-safe or not)

Beneficial Options

- Available in a heavy duty industrial housing
- Datalogging option

Applications

All commercial building areas requiring multi-point gas monitoring

Certifications

- Intertek Listed to: UL 61010-1; and CSA C22.2 No. 61010-1-04

301C Gas Controllers

Order Number

301C Controller with datalogger, BACnet/IP output, ABS polycarbonate enclosure	301-C-DLC-BIP
301C Controller with datalogger, ABS polycarbonate enclosure	301-C-DLC
301C Controller, ABS polycarbonate enclosure	301-C

301C Gas Controller Interface Modules

Order Number

301-ADI analog digital input converter (4-20mA to Modbus RS-485)	301-ADI
301AP annunciator panel for 301C Controller	301-AP
301-R8 relay module with 8 relays, failsafe	301-R8-FS
301-R8 relay module with 8 relays	301-R8
420I digital analog output converter, Modbus RS-485 to 4-20mA	420-I



IAQPoint2

Indoor Air Quality Monitor

CO₂ or VOC + temperature/humidity monitoring



Improve indoor air quality and cut energy costs with CO₂ or VOC + temp/humidity monitoring for demand control ventilation. IAQPoint2 features a fully functional, multi-color, touch screen interface, the first of its kind. IAQPoint2 operates on +24 V_{AC}/V_{DC}. Analog output is 4-20 mA or 2-10 V_{DC}, switch selectable. Digital output is BACnet/Modbus selectable or LonWorks. Available in wall mount and duct mount configurations.

Note: Non-branded versions of this product are available upon request.

User-Friendly Touchscreen Operation

- Menu driven, customizable, easy-to-navigate display
- Large 1.9 x 2.6 in. (4.9 x 6.5 cm) VGA screen with easy-to-read LCD digits and graphical display

Flexible, Money-Saving Design

- Simple wall- or duct-mount
- Multi-analog or digital (BACnet, Modbus) options
- DC and AC power; fits standard junction box
- 5 year sensor life with automatic self-calibration
- Adjustable set-points and optional relay for local fan activation

3-in-1 Monitoring

- Choose reliable CO₂ or VOC sensing technologies
- Optimize room comfort through temperature control

Green Attributes

- Obtain LEED credits
- Meet ASHRAE 15 standards
- Low power consumption and 'sleep mode' feature
- Optimize HVAC use and extend life of components

Applications

- Auditoriums
- Conference rooms
- Schools
- Hospitals
- Washrooms
- Kitchens
- Janitorial closets
- Copier/printing rooms
- Warehouses/shipping areas

Certifications

- Intertek Listed to 3rd Editions of: UL 61010-1; and CSA C22.2 No. 61010-1-12
- Intertek tested to EN 61010:2010, EN 61000-6-3:2007 + A1:2011, and EN 50270:2006, Type 2 Equipment for Immunity; and DLS tested to EN 50270:2006 for CE Mark
- BTL (BACnet)
- LonWorks

Non Display Unit
View at-a-glance normal or fault status



Ductmount Unit
Gain maximum flexibility for installation



IAQPoint2 Indoor Air Quality Monitor (continued)

IAQPoint2 Wall Mount Configurations

IAQPoint2 with Analog Output	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, wall mount, analog	IAQ-WAC	1508A1001
Carbon dioxide (CO ₂) monitor, wall mount, analog, relay	IAQ-WAC-R	1508A1003
Carbon dioxide (CO ₂) monitor, wall mount, analog, temp and rH	IAQ-WAC-TRH	1508A1005
Carbon dioxide (CO ₂) monitor, wall mount, analog, temp and rH, relay	IAQ-WAC-TRH-R	1508A1007
Carbon dioxide (CO ₂) monitor, wall mount, analog, display	IAQ-WAC-D	1508A1009
Carbon dioxide (CO ₂) monitor, wall mount, analog, relay, display	IAQ-WAC-R-D	1508A1011
Carbon dioxide (CO ₂) monitor, wall mount, analog, temp and rH, display	IAQ-WAC-TRH-D	1508A1013
Carbon dioxide (CO ₂) monitor, wall mount, analog, temp and rH, relay, display	IAQ-WAC-TRH-R-D	1508A1015
VOC monitor, wall mount, analog	IAQ-WAV	1508A1002
VOC monitor, wall mount, analog, relay	IAQ-WAV-R	1508A1004
VOC monitor, wall mount, analog, temp and rH	IAQ-WAV-TRH	1508A1006
VOC monitor, wall mount, analog, temp and rH, relay	IAQ-WAV-TRH-R	1508A1008
VOC monitor, wall mount, analog, display	IAQ-WAV-D	1508A1010
VOC monitor, wall mount, analog, relay, display	IAQ-WAV-R-D	1508A1012
VOC monitor, wall mount, analog, temp and rH, display	IAQ-WAV-TRH-D	1508A1014
VOC monitor, wall mount, analog, temp and rH, relay, display	IAQ-WAV-TRH-R-D	1508A1016

IAQPoint2 with Digital Output, BACnet and Modbus (Selectable)	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, wall mount, network, display	IAQ-WNC-D	1508A1017
Carbon dioxide (CO ₂) monitor, wall mount, network, relay, display	IAQ-WNC-R-D	1508A1019
Carbon dioxide (CO ₂) monitor, wall mount, network, temp and rH, display	IAQ-WNC-TRH-D	1508A1021
Carbon dioxide (CO ₂) monitor, wall mount, network, temp and rH, relay, display	IAQ-WNC-TRH-R-D	1508A1023
VOC monitor, wall mount, network, display	IAQ-WNV-D	1508A1018
VOC monitor, wall mount, network, relay, display	IAQ-WNV-R-D	1508A1020
VOC monitor, wall mount, network, temp and rH, display	IAQ-WNV-TRH-D	1508A1022
VOC monitor, wall mount, network, temp and rH, relay, display	IAQ-WNV-TRH-R-D	1508A1024

IAQPoint2 with LonWorks	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, wall mount, LonWorks, display	IAQ-WLC-D	1508A1025
Carbon dioxide (CO ₂) monitor, wall mount, LonWorks, relay, display	IAQ-WLC-R-D	1508A1027
Carbon dioxide (CO ₂) monitor, wall mount, LonWorks, temp and rH, display	IAQ-WLC-TRH-D	1508A1029
Carbon dioxide (CO ₂) monitor, wall mount, LonWorks, temp and rH, relay, display	IAQ-WLC-TRH-R-D	1508A1031
VOC monitor, wall mount, LonWorks, display	IAQ-WLV-D	1508A1026
VOC monitor, wall mount, LonWorks, relay, display	IAQ-WLV-R-D	1508A1028
VOC monitor, wall mount, LonWorks, temp and rH, display	IAQ-WLV-TRH-D	1508A1030
VOC monitor, wall mount, LonWorks, temp and rH, relay, display	IAQ-WLV-TRH-R-D	1508A1032

IAQPoint2 Indoor Air Quality Monitor (continued)

IAQPoint2 Duct Mount Configurations

IAQPoint2 with Analog Output	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, duct mount, analog	IAQ-DAC	1508A2001
Carbon dioxide (CO ₂) monitor, duct mount, analog, relay	IAQ-DAC-R	1508A2003
Carbon dioxide (CO ₂) monitor, duct mount, analog, temp and rH	IAQ-DAC-TRH	1508A2005
Carbon dioxide (CO ₂) monitor, duct mount, analog, temp and rH, relay	IAQ-DAC-TRH-R	1508A2007
Carbon dioxide (CO ₂) monitor, duct mount, analog, display	IAQ-DAC-D	1508A2009
Carbon dioxide (CO ₂) monitor, duct mount, analog, relay, display	IAQ-DAC-R-D	1508A2011
Carbon dioxide (CO ₂) monitor, duct mount, analog, temp and rH, display	IAQ-DAC-TRH-D	1508A2013
Carbon dioxide (CO ₂) monitor, duct mount, analog, temp and rH, relay, display	IAQ-DAC-TRH-R-D	1508A2015
VOC monitor, duct mount, analog	IAQ-DAV	1508A2002
VOC monitor, duct mount, analog, relay	IAQ-DAV-R	1508A2004
VOC monitor, duct mount, analog, temp and rH	IAQ-DAV-TRH	1508A2006
VOC monitor, duct mount, analog, temp and rH, relay	IAQ-DAV-TRH-R	1508A2008
VOC monitor, duct mount, analog, display	IAQ-DAV-D	1508A2010
VOC monitor, duct mount, analog, relay, display	IAQ-DAV-R-D	1508A2012
VOC monitor, duct mount, analog, temp and rH, display	IAQ-DAV-TRH-D	1508A2014
VOC monitor, duct mount, analog, temp and rH, relay, display	IAQ-DAV-TRH-R-D	1508A2016

IAQPoint2 with Digital Output, BACnet and Modbus (Selectable)	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, duct mount, network, display	IAQ-DNC-D	1508A2017
Carbon dioxide (CO ₂) monitor, duct mount, network, relay, display	IAQ-DNC-R-D	1508A2019
Carbon dioxide (CO ₂) monitor, duct mount, network, temp and rH, display	IAQ-DNC-TRH-D	1508A2021
Carbon dioxide (CO ₂) monitor, duct mount, network, temp and rH, relay, display	IAQ-DNC-TRH-R-D	1508A2023
VOC monitor, duct mount, network, display	IAQ-DNV-D	1508A2018
VOC monitor, duct mount, network, relay, display	IAQ-DNV-R-D	1508A2020
VOC monitor, duct mount, network, temp and rH, display	IAQ-DNV-TRH-D	1508A2022
VOC monitor, duct mount, network, temp and rH, relay, display	IAQ-DNV-TRH-R-D	1508A2024

IAQPoint2 with LonWorks	Model Number	Order Number
Carbon dioxide (CO ₂) monitor, duct mount, LonWorks, display	IAQ-DLC-D	1508A2025
Carbon dioxide (CO ₂) monitor, duct mount, LonWorks, relay, display	IAQ-DLC-R-D	1508A2027
Carbon dioxide (CO ₂) monitor, duct mount, LonWorks, temp and rH, display	IAQ-DLC-TRH-D	1508A2029
Carbon dioxide (CO ₂) monitor, duct mount, LonWorks, temp and rH, relay, display	IAQ-DLC-TRH-R-D	1508A2031
VOC monitor, duct mount, LonWorks, display	IAQ-DLV-D	1508A2026
VOC monitor, duct mount, LonWorks, relay, display	IAQ-DLV-R-D	1508A2028
VOC monitor, duct mount, LonWorks, temp and rH, display	IAQ-DLV-TRH-D	1508A2030
VOC monitor, duct mount, LonWorks, temp and rH, relay, display	IAQ-DLV-TRH-R-D	1508A2032

301EM-20 & 301IRFS

Refrigerant, Toxic & Combustible Gas Controller
and Networkable Sensors



R11, R123, R125, R134a, R22, R404a, R407c, R410a, R4310, R507a, CO, Cl₂, H₂S, NO₂, NH₃, O₂, SO₂, COMB



The 301EM-20 acts as a controller for up to 20 remote sensors and suits a variety of gas detection system solutions for Mechanical Rooms.

Particularly configured to meet ASHRAE 15, B-52 and International Mechanical Code requirements, the 301EM-20 is commonly used to optimize gas detection in mechanical and chiller rooms. A full complement of sensors (including toxic, oxygen, combustible gases and a full line of refrigerant sensors), horns, strobes and remote panels provide added flexibility to suit a variety of gas detection system solutions.

Note: Non-branded versions of this product are available upon request.

User Friendly

- Easy to read LCD display
- Auto-diagnostic capabilities

Economical Solution

- Cost-effective answer for installation in Mechanical Rooms locations

Flexible Operation

- Able to operate with up to 20 remote sensors at a time
- Various types of sensors available to simultaneously detect a range of different Refrigerant, Toxic and Combustible gases
- Robust and reliable RS-485 Modbus communication

Output Adaptability

- Three 24 Vdc alarm outputs and four 4-20 mA outputs

Safety Measures

- Four fully programmable relays
- Three alarm levels with built-in visual indicators and audible alarm

Beneficial Options

- Convenient stand-alone or network operation

Applications

- Mechanical Rooms

Certifications

- Intertek Classified (301IRFS) Listed (301EM) to: UL 61010-1; and CSA C22.2 No. 61010-1-04

301EM-20 & 301IRFS

Refrigerant, Toxic & Combustible Gas Controller and Networkable Sensors

301EM Controllers	Order Number
Controller, Type 1 Canada (for use with R123)	301-EM-CA1
Controller, Type 2 Canada (for use with all other refrigerants)	301-EM-CA2
Controller, Type 3 US	301-EM-US3
Controller with horn and strobe, Type 1 Canada	301-EM-RFSA-CA1
Controller with horn and strobe, Type 2 Canada	301-EM-RFSA-CA2
Controller with horn and strobe, Type 3 US	301-EM-RFSA-US3

Annunciator Panel for use with 301EM-20	Order Number
Remote panel	301-EMRP
Remote panel with horn and strobe	301-EMRP-RFSA

S301IRF Sensors for use with 301EM-20 (0-1000 ppm)	Order Number
R11 refrigerant gas sensor	S301-IRF-R11
R123 refrigerant gas sensor	S301-IRF-R123
R125 refrigerant gas sensor	S301-IRF-R125
R134a refrigerant gas sensor	S301-IRF-R134A
R22 refrigerant gas sensor	S301-IRF-R22
R404a refrigerant gas sensor	S301-IRF-R404A
R407c refrigerant gas sensor	S301-IRF-R407C
R410a refrigerant gas sensor	S301-IRF-R410A
R4310 refrigerant gas sensor	S301-IRF-R4310
R507a refrigerant gas sensor	S301-IRF-R507A

Note: S301IRF sensors operate on 12 Vdc power only. Higher voltage will result in damage to the sensor.

S301D2 Sensors for use with 301EM-20	Model Number	Order Number
Combustible explosion proof sensor - (GAIN 1.0-1.3 / Methane)	S301D2COMB	129570-L3
Combustible explosion proof sensor - (GAIN 1.3-1.599 / Hydrogen)	S301D2COMB	129426-L3
Combustible explosion proof sensor - (GAIN 1.6-1.999 / Propane, Ethanol)	S301D2COMB	129427-L3
Combustible explosion proof sensor - (GAIN 2.0-2.219 / n-Pentane)	S301D2COMB	129428-L3
Combustible explosion proof sensor - (GAIN 2.220-2.5 / Toluene)	S301D2COMB	129429-L3
Combustible explosion proof sensor - (GAIN +2.5 / n-Decane)	S301D2COMB	129430-L3
Carbon monoxide (CO) explosion proof sensor	S301D2CO	129431-L3
Chlorine (Cl ₂) explosion proof sensor	S301D2CL2	129435-L3
Nitrogen dioxide (NO ₂) explosion proof sensor	S301D2NO2	129432-L3
Hydrogen sulfide (H ₂ S) explosion proof sensor	S301D2H2S	129433-L3
Oxygen (O ₂) explosion proof sensor	S301D2O2	129436-L3
Sulfur dioxide (SO ₂) explosion proof sensor	S301D2SO2	129434-L3

301EM-20 & 301IRFS (continued)

EC-FX-EM Sensors for ammonia (NH₃) detection for use with 301EM-20

	Model Number	Order Number
Ammonia (NH ₃) Monitor, 4-20mA, Vulbus, 0-100 ppm, NEMA 1 Encl.	ECFX-100-N-EM	ECFX-100-N-EM
Ammonia (NH ₃) Monitor, 4-20mA, Vulbus 0-250 ppm, NEMA 1 Encl.	ECFX-250-N-EM	ECFX-250-N-EM
Ammonia (NH ₃) monitor, 4-20 mA, Modbus 0-500 ppm, NEMA 1 encl.	EC-F9-NH3-0/500-N1-EM	M-511010

EC-FX Replacements Cells

	Model Number	Order Number
Replacement ammonia (NH ₃) cell, 0-100/250 ppm <i>Note: Backwards compatible with EC-F2 & EC-F9 transmitters</i>	EC-FX-NH3-LR	EC-FX-NH3-LR

EC-F9 Replacements Cells

	Model Number	Order Number
Replacement ammonia (NH ₃) cell	EC-F2-RC-NH3	M-507975
Replacement ammonia (NH ₃) high range cell	EC-F2-RC-NH3	M-600043
Replacement ammonia (NH ₃) cell	EC-F2-NH3-RC-EXP	M-600045

Options for use with 301EM-20

	Model Number	Order Number
Break glass manual switch option for 301EM	EMBG	M-508617
301EM-20 light stack assembly with red lens, horn (85-103 dB), voltage rating, 24VDC	–	M-700123
LED Light Module, 24V AC/DC, green, for use with M-700123	–	M-700327
LED Light Module, 24V AC/DC, blue, for use with M-700123	–	M-700328
LED Light Module, 24V AC/DC, clear, for use with M-700123	–	M-700329
LED Light Module, 24V AC/DC, yellow, for use with M-700123	–	M-700330
LED Light Module, 24V AC/DC, amber, for use with M-700123	–	M-700331
Vertical Stack Light Mounting Base w/cap	–	M-700332
Vertical Stack Light Mounting Base	–	M-700333
Metal guard for 301IRFS sensors	IRFSENSORGUARD	M-505352
2-Position selector switch - 120 V _{AC}	SEL-2POS-120V	M-505913
Push button NO/NC - 120 V _{AC}	BP-120V-NO-NC	M-505912
Push button NO/NC locked - 120 V _{AC}	BP-120V-LOCKED	M-505911
12/24 V _{DC} Power Supply, UL/cUL Listed, 2.5A @ 24V _{DC}	HPV5DC8UL	HPV5DC8UL



Self-Contained Breathing Apparatus (SCBA)

Aluminum Cylinders



Honeywell Analytics' Self-Contained Breathing Apparatus (SCBA) meets the demands of industrial users who want the finest respiratory protection against environments that are Immediately Dangerous to Life or Health (IDLH). The SCBA is designed to be a basic industrial unit, yet provides superior safety and comfort for industrial needs. The SCBA is available in medium face piece/bell alarm or hooded with medium nose cup/plain whistle alarm configurations.

Note: All cylinders are shipped fully charged.

Breathing Apparatus

Order Number

SCBA, with low pressure 30 min. cylinder, medium facepiece, bell alarm	888888
SCBA, with low pressure 30 min. cylinder, hood with medium nose cup, plain whistle alarm	777777
SCBA, with high pressure 60 min. cylinder, medium facepiece, bell alarm	555555

Breathing Apparatus Accessories

Order Number

Spare 30 min. cylinder, low pressure	915140
Spare 60 min. cylinder, high pressure	917160
Video, use/maintenance SCBA	995613
CD-ROM, use/maintenance SCBA	995612
Storage case for 1 SCBA wall unit	83219
Aluminum truck mounting bracket for SCBA	M-512890

SQN8x Sample Draw

Refrigerant, Toxic & Combustible Sample-Draw
Gas Monitoring System



CO, COMB, NO₂, O₂, R11, R123, R125, R134A, R22, R227, R404A, R410A, R4310, R507



The new generation of the SQN8x series combines long proven sensing capability with state-of-the-art pumping technology and constant, high accuracy to yield a highly reliable sample draw gas detection system. Save costs through sensing capability to monitor gases in up to 8 different zones.

Note: Each configuration includes one sensor and tubing as indicated.

Safety Measures

- 3 alarm relays
- Audible alarm
- Early low level warning alarm
- Integrated flow loss surveillance

Reliable

- Wide area of coverage
- 2, 4 or 8 sample points
- Proven sensing technology
- Up to 2 gases

Applications

- Chillers
- Mechanical Rooms
- Breweries
- Wineries
- Supermarkets

Certifications

- Intertek Classified to:
UL 61010-1; and
CSA C22.2 No. 61010-1-04

SQN8x Sample Draw

Refrigerant, Toxic & Combustible Sample-Draw Gas Monitoring System

▶ Gas 1 (required)		▶ Gas 2 (optional)	
Refrigerant (R11)	R11	[BLANK]	None
Refrigerant (R123)	R123	R11	Refrigerant (R11)
Refrigerant (R12)	R125	R123	Refrigerant (R123)
Refrigerant (R134A)	R134A	R125	Refrigerant (R12)
Refrigerant (R22)	R22	R134A	Refrigerant (R134A)
Refrigerant (R404A)	R404A	R22	Refrigerant (R22)
Refrigerant (407c)	R407c	R404A	Refrigerant (R404A)
Refrigerant (R410A)	R410A	R407c	Refrigerant (407c)
Refrigerant (R4310)	R4310	R410A	Refrigerant (R410A)
Refrigerant (R507A)	R507A	R4310	Refrigerant (R4310)
Combustibles (% LEL)	CMB	R507A	Refrigerant (R507A)
Carbon monoxide (CO)	CO	CMB	Combustibles (% LEL)
Nitrogen dioxide (NO ₂)	NO2	CO	Carbon monoxide (CO)
Oxygen (O ₂)	O2	NO2	Nitrogen dioxide (NO ₂)
▶ Number of Sampling Points		O2	Oxygen (O ₂)
Two-point sample draw system (incl. 200ft tubing)	2	▶ Product Branding (optional)	
Four-point sample draw system (incl. 400 ft tubing)	4		
Eight-point sample draw system (incl. 800 ft tubing)	8		
▶ SQN8x Base Unit		[BLANK]	With logo
Base unit	SQ8	N	No logo

Order number:

SQ8		-		-		-	
(optional)							

Example 1: A SQN8x configured with a four-point sample draw system and a single gas detector (R134A) with product branding would be SQ84-R134A.

Example 2: A SQN8x configured with an eight-point sample draw system and dual gas detectors (R404A and CO) with no product branding would be SQ88-R404A-CO-N.

SQN8x Spare Sampling Tube	Model Number	Order Number
200 ft. sampling tube (0.17 in. I.D., 0.25 in. O.D.)	8XTL5	0235-0295
400 ft. sampling tube (0.17 in. I.D., 0.25 in. O.D.)	8XTL9	0235-0296
800 ft. sampling tube (0.17 in. I.D., 0.25 in. O.D.)	8XTL14	0235-0297

SQN8x Accessories	Order Number
Vacuum filter, 50 micron	M-510806
Sampling point with filter	M-504183

AirScan™ IR-F9

Standalone Refrigerant Gas Monitor for Cold Storage



R134a, R22, R404a, R407a, R410a, R422d, R507a, HFO1234yf, CO₂



The AirScan™ iR Sensor responds to refrigerants over the range of 0-1,000 ppm and features SensorCheck™ technology that continually monitors sensor performance.

The AirScan™ iR Sensor is an affordable microprocessor-based sensor that is selective to refrigerants and, because of its stabilised design platform, will provide years of service and will maintain the highest level of accuracy and reliability. This highly versatile sensor features SensorCheck™, a unique technology that continuously monitors sensor performance that enables it to provide worry-free performance throughout the life of the sensor.

A true “diffusion” design sensor, the AirScan™ iR Sensor does not require either pumps or filters and allows all points of detection to be monitored perpetually, unlike sample draw systems. The versatile sensor is housed in a high mass metal bench structure that enables thermal stability and freedom from vibration.

IR-F9 units configured to a full scale of 0-500 ppm are designed to meet **California Air Review Board (CARB)** requirements.

Applications

- Chiller Rooms
- Cold Storage
- Food Processing
- Supermarkets

AirScan™ IR-F9 with Commercial Enclosure	Model Number	Order Number
Carbon dioxide (CO ₂) 0/10,000 ppm, commercial enclosure	IR-F9-CO2-1%-COM	M-700197
Carbon dioxide (CO ₂) 0/30,000 ppm, commercial enclosure	IR-F9-CO2-3%-COM	M-700198
HFO1234yf 0/500 ppm, commercial enclosure, CARB compliant	IR-F9-HFO1234yf-0/1000-COM	M-700265
HFO1234yf 0/1000 ppm, commercial enclosure	IR-F9-HFO1234yf-0/1000-COM	M-700270
HFO1234yf 0/3000 ppm, commercial enclosure	IR-F9-HFO1234yf-0/1000-COM	M-700275
R22 0-500 ppm, commercial enclosure, CARB compliant	IR-F9-R22-0-500-COM	M-700127
R22 0-1,000 ppm, commercial enclosure	IR-F9-R22-0/1000-COM	M-700137
R134a 0-1,000 ppm, commercial enclosure	IR-F9-R134a-0/1000-COM	M-700138
R404a 0-1,000 ppm, commercial enclosure	IR-F9-R404a-0/1000-COM	M-700139
R407a 0-500 ppm, commercial enclosure, CARB compliant	IR-F9-R407a-0-500-COM	M-700051
R407a 0-1,000 ppm, commercial enclosure	IR-F9-R407a-0/1000-COM	M-700061
R410a 0-1,000 ppm, commercial enclosure	IR-F9-R410a-0/1000-COM	M-700081
R422d 0-500 ppm, commercial enclosure, CARB compliant	IR-F9-R422d-0-500-COM	M-700022
R422d 0-1,000 ppm, commercial enclosure	IR-F9-R422d-0/1000-COM	M-700031
R507a 0-1,000 ppm, commercial enclosure	IR-F9-R507a-0/1000-COM	M-700140

AirScan™ IR-F9 Accessories	Order Number
420MDBS-96D AirAlert 96d interface module 4-20 to RS485 with phoenix connector	M-511352*
Relay plug 4-20 signal term 3A 24 V _{DC}	M-600008

*Note: MDBS modules require factory-set configuration parameters. Please specify at time of ordering. Use of this module inside a sensor will invalidate any certifications.



Sensepoint® XCD

Flammable, Toxic & Oxygen Gas Detector and Transmitter

CH₄, C₃H₈, C₅H₁₂, CO, CO₂, H₂, H₂S, LEL, NO₂, O₂



The Sensepoint XCD range provides comprehensive monitoring of flammable, toxic and oxygen gas hazards in potentially explosive atmospheres, both indoors and outdoors. Users can modify detector operation using the LCD and magnet switches without ever needing to open the unit. This enables one-man, non-intrusive operation and reduces routine maintenance time and costs.

One-Stop Shop

- Flammable (catalytic or infrared), toxic and oxygen versions available
- New and retrofit applications
- Suitable for indoor or outdoor use
- Aluminium explosion-proof housing
- IP66 as standard

Proven and Reliable Sensor Technology

- Surecell™ electrochemical sensors
- Reflex® sensor health check
- Poison immune infrared sensors
- Poison resistant catalytic bead sensors
- Long life sensors

Easy to Use

- User friendly and intuitive tri-colour backlit display with digits, bar graph and icons
- Fully configurable via magnetic switches
- Selectable sink or source 4-20 mA output
- Auto-inhibit during maintenance
- Modbus communications for remote diagnostics/configuration

Cost Effective

- Common transmitter platform
- Minimal training required
- Reduced spares
- Non-intrusive, one-man operation
- Plug-in sensor replacement
- Modbus multi drop option offers cabling savings

Simple Installation

- Plug-in display module removes to give access to terminal area
- Integral mounting bracket
- 2 x ¼ in. NPT cable/conduit entries
- Removable plug/socket type terminal blocks for ease of wiring
- Sink/source switch to suit preferred wiring topology

Range of Optional Accessories

- Remote sensor gassing kit
- Duct mounting kit
- Calibration gas flow housing
- Collecting cone

Applications

- Boiler Rooms
- Hospitals
- Warehouses
- Chemical storage

Certifications

- US and Canadian
- For additional information on certifications and approvals contact Honeywell Analytics

Sensepoint® XCD (continued)

Sensepoint XCD Transmitters Class I, Div. 1: UL & cUL Approvals	Order Number
Carbon monoxide (CO) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-250 ppm aluminum enclosure	SPXCDULNCXM
Combustible (CH ₄) explosion proof transmitter (Cat Bead), 4-20 mA, 3 relays, Modbus, 0-100% aluminum enclosure	SPXCDULNFXM
Combustible (C ₃ H ₈) explosion proof transmitter (Cat Bead), 4-20 mA, 3 relays, Modbus, 0-100% aluminum enclosure <i>Custom calibration: SPXCDULNFXM PROPANE</i>	SVIP3729
Combustible (H ₂) explosion proof transmitter (Cat Bead), 4-20 mA, 3 relays, Modbus, 0-100% aluminum enclosure <i>Custom calibration: SPXCDULNFXM HYDROGEN</i>	SVIP3730
Combustible (C ₅ H ₁₂) explosion proof transmitter (Cat Bead), 4-20 mA, 3 relays, Modbus, 0-100% aluminum enclosure <i>Custom calibration: SPXCDULNFXM PENTANE</i>	SVIP3731
Hydrogen sulfide (H ₂ S) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure	SPXCDULNHXM
Nitrogen dioxide (NO ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure	SPXCDULNNXM
Oxygen (O ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-25% aluminum enclosure	SPXCDULNO1M
Hydrogen (H ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-1,000 ppm aluminum enclosure	SPXCDULNG1M
Sensepoint XCD Transmitters Class I, Div. 1: UL Approval	Order Number
Combustible explosion proof transmitter (IR), methane (CH ₄) 4-20 mA, 3 relays, Modbus, 0-100% LEL aluminum enclosure	SPXCDULNRXM
Combustible explosion proof transmitter (IR), propane (C ₃ H ₈) 4-20 mA, 3 relays, Modbus, 0-100% LEL aluminum enclosure	SPXCDULNPXM
Carbon dioxide (CO ₂) explosion proof transmitter (IR), 4-20 mA, 3 relays, Modbus, 0-2% Vol aluminum enclosure	SPXCDULNB1M

EC: Electrochemical Cell / Cat Bead: Catalytic Bead / IR: Infrared

Sensepoint® XCD (continued)

XCD Consumables Class I, Div. 1

	Order Number
Flammable CAT 0-100% LEL (20 to 100.0% LEL)	SPXCDXSFSS
Oxygen (O ₂) 25.0%/Vol only	SPXCDXSO1SS
Hydrogen sulfide (H ₂ S) 0-50 ppm (10.0 to 100.0 ppm)	SPXCDXSHXSS
Carbon monoxide (CO) 0-500 ppm (100 to 1000 ppm)	SPXCDXSCXSS
Carbon dioxide (CO ₂) 0-2% VOL	SPXCDXSB1SS
Hydrogen (H ₂) 0-1000 ppm only	SPXCDXSG1SS
Nitrogen dioxide (NO ₂) 10-50 ppm	SPXCDXSNXSS
Flammable IR 0-100% LEL methane (20 to 100.0% LEL)	SPXCDXSRXSS
Flammable IR 0-100% LEL propane (C ₃ H ₈) (20.0 to 100.0% LEL, 10% LEL)	SPXCDXSPXSS

XCD Spares, Class I, Div. 1

	Order Number
Sensepoint XCD standard weather protection	SPXDCWP
Sensor retainer with locking screw	SPXCDSRLS
Allen key for stopper	SPXCDAKS
Hex wrench for earth screw	SPXCDHWES
Earth bracket and screws	SPXCDEBS
Magnetic wand	SPXCDMAG

XCD Accessories, Class I, Div. 1

	Order Number
Calibration cap	S3KCAL
Collecting cone for use with lighter than air gases	SPXCDCC
Duct mounting kit	SPXCDDMK
Mounting bracket (inc. bolts, nuts, brackets)	SPXCMTBR
Sunshade / deluge protection	SPXCSDP
Sensepoint XCD combustible calibration kit	XCDCOMBKIT
Sensepoint XCD toxic calibration kit	XCDTOXKIT

Sensepoint® XCD RTD

Remote Toxic & Oxygen Gas Detector and Transmitter



Cl₂, CO, H₂, H₂S, NH₃, NO, NO₂, O₂, SO₂



Sensepoint XCD RTD from Honeywell Analytics makes it easy on your maintenance team, time and budget when faced with the challenge of monitoring toxic gases in Class I, Div. 2 areas.

You can mount the unit up to 100 feet from the transmitter to obtain maximum gas detection coverage in areas not easily accessible or where the sensor would not be visible, as in high-or low-level concealed areas, or detection outside the room being monitored. XCD RTD offers unrivaled flexibility and performance via its easily recognizable display (traffic light pattern) to convey safety status, communication and mounting options, and onboard diagnostics.

Reduce Cost of Ownership Over Life of the Product

- Cut stocking and procurement costs with a common transmitter platform
- Reduce maintenance time and expense with non-intrusive, one-man operation
- Simplify maintenance with plug-in, removable sensor
- Reduce inspection and training time with tri-color 'traffic light' display conveying safety status at a glance
- Simplify set-up and configuration with non-intrusive magnetic switches

Applications

- Class I, Div 2 Areas

Certifications

- US and Canadian
- For additional information on certifications and approvals contact Honeywell Analytics

Gain Added Flexibility, Reliability and Performance

- Extend gas sensing element up to 100 ft. (30 m) from transmitter; mount in the most difficult to access areas
- Reduce likelihood of human error via on-board diagnostics and easy-to-read display
- Protect against dust/water ingress with IP66/67 rated stainless steel or aluminum enclosure
- Prevent false alarms with auto-inhibit during maintenance
- Select sink or source 4-20 mA output; integral or remote configuration
- Full range of accessories and purchase options let you choose the remote monitoring system that's right for your application



Sensor Fitted to Remote Junction Box

Note: Conduit and fittings not included

Sensepoint® XCD RTD

Remote Toxic & Oxygen Gas Detector and Transmitter

Sensepoint XCD RTD Transmitters Class I, Div. 2: UL & cUL Approvals	Order Number
Oxygen (O ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-25% aluminum enclosure, Class I, Div. 2	SPXCDULNO2M
Hydrogen sulfide (H ₂ S) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNH2M
Carbon monoxide (CO) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-200 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNC2M
Hydrogen (H ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-1,000 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNG2M
Nitrogen dioxide (NO ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-10 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNN2M
Ammonia (NH ₃) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNA2M
Chlorine (Cl ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-5 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNL2M
Sulfur dioxide (SO ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-15 ppm aluminum enclosure, Class I, Div. 2	SPXCDULNS2M
Nitric oxide (NO) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-100 ppm aluminum enclosure, Class I, Div. 2	SPXCDULND2M

Sensepoint XCD RTD Transmitters Class I, Div. 2: UL & cUL Approvals with Remote Mount Hardware	Order Number
Oxygen (O ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-25% aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNO2RM
Hydrogen sulfide (H ₂ S) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNH2RM
Carbon monoxide (CO) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-200 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNC2RM
Hydrogen (H ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-1,000 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNG2RM
Nitrogen dioxide (NO ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-10 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNN2RM
Ammonia (NH ₃) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-50 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNA2RM
Chlorine (Cl ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-5 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNL2RM
Sulfur dioxide (SO ₂) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-15 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULNS2RM
Nitric oxide (NO) explosion proof transmitter (EC), 4-20 mA, 3 relays, Modbus, 0-100 ppm aluminum enclosure, Class I, Div. 2 with remote mount hardware	SPXCDULND2RM

EC: Electrochemical Cell / Cat Bead: Catalytic Bead / IR: Infrared

Sensepoint® XCD RTD (continued)

XCD Sensors Class I, Div. 2	Order Number
Oxygen (O ₂) 0-25%Vol sensor	2106B1830
Hydrogen sulfide (H ₂ S) 0-50 ppm sensor	2106B1801
Carbon monoxide (CO) 0-200 ppm sensor	2106B1806
Hydrogen (H ₂) 0-1,000 ppm sensor	2106B1817
Nitrogen dioxide (NO ₂) 0-10 ppm sensor	2106B1822
Ammonia (NH ₃) 0-50 ppm sensor	2106B1813
Chlorine (Cl ₂) 0-5 ppm sensor	2106B1810
Sulfur dioxide (SO ₂) 0-15 ppm sensor	2106B1820
Nitric oxide (NO) 0-100 ppm sensor	2106B1818

XCD Replacement Cells Class I, Div. 2	Order Number
Oxygen (O ₂) 0-25%Vol replacement cell kit	2106B1545
Hydrogen sulfide (H ₂ S) 0-50 ppm replacement cell kit	2106B1549
Carbon monoxide (CO) 0-200 ppm Cell Kit	2106B1548
Hydrogen (H ₂) 0-1,000 ppm replacement cell kit	2106B1597
Nitrogen dioxide (NO ₂) 0-10 ppm replacement cell kit	2106B1599
Ammonia (NH ₃) 0-50 ppm replacement cell kit	2106B1596
Chlorine (Cl ₂) 0-5 ppm replacement cell kit	2106B1547
Sulfur dioxide (SO ₂) 0-15 ppm replacement cell kit	2106B1546
Nitric oxide (NO) 0-100 ppm replacement cell kit	2106B1594

XCD Spares and Accessories, Class I, Div. 2	Order Number
Sensepoint XCD RTD transmitter, 4-20 mA, 3 relays, Modbus	SPXCDULNTX4M
Sensepoint XCD RTD remote junction box, 3 terminal	2430-0021
Series 2000 weather housing for use with toxic sensor	02000-A-1635
Series 2000 flow housing assembly	02000-A-1645
Series 2000 flow housing assembly plastic	02000-A-3120
Toxic calibration kit with calibration cover, removal tool, potentiometer adjustment tool	2106B2114

Note: Flow housing (02000-A-1645) is required and must be ordered separately.

XCD RTD Calibration Kit	Order Number
Sensepoint XCD RTD calibration kit - includes calibration cover, potentiometer, adjustment tool, flow housing, regulator and tubing (2106B2114, 02000-A-1645, 998-100-012, 998-100-003, 998-100-004)	XCDRTDKIT



Sensepoint XCD RFD

LEL (*1-*8)



Transmitter Display



705 Sensor



Sensor Fitted to Remote Junction Box

Note: Conduit and fittings not included

The Sensepoint RFD is a remote flammable detection system for LEL monitoring applications. The XCD RFD combines the XCD transmitter with the 705 combustibile sensor, and is certified for use in Class I Div. 1 rated areas. The XCD RFD offers one man, non-intrusive, operation and reduces routine maintenance time and costs. The XCD transmitter includes two programmable alarm/fault relays as well as an industry standard 4-20 mA output. Calibration and relay operation of the transmitter may be adjusted via the transmitters' backlit LCD. Outputs are automatically inhibited during adjustment thereby reducing the risk of false alarm at the control panel during maintenance.

Sensepoint RFD is supplied with all necessary accessories for easy installation. It can be mounted on a wall or 2 in. round support pole using the universal bracket provided. The detector is ideal for use with either conduit or steel wire armored cable and glands and includes both 3/4 in. NPT and M20 entries to the junction box.

Sensepoint RFD offers easy installation and fast routine operation. Compatible with both standard and high temperature variants of the Sensepoint and 705 flammable sensors from Honeywell Analytics the overall flexibility of the product range is increased. Meets Class I Div. 1 UL performance standards.

Note: Conduit and fittings not included

Transmitter - cCSAus Certified for North America (Class I, Div. 1, Groups B, C & D)

Order Number

Transmitter with LM25, 3/4 in. NPT entry, Modbus, aluminum

SPXCDULNRFDM

Sensor

Order Number

705 combustibile sensor - aluminum - cat bead (SG16B) 0-100% LEL, UL / CSA approved

00705-A-1733

705 high temperature combustibile sensor (150°C) 3/4 in. NPT threads, UL approved

00705-A-1735

Junction Box

Order Number

UL/CSA aluminum 3 wire junction box

2430-0021

Kits - cCSAus Certified for North America (Class I, Div. 1, Groups B, C & D)

All kits include transmitter, sensor, and junction box.

Order Number

Transmitter with LM25, 3/4 in. NPT entry, Modbus, aluminum, 705 sensor, and 3 wire junction box

XCDRFDLM

Transmitter with LM25, 3/4 in. NPT entry, Modbus, aluminum, 705 High Temp sensor, and 3 wire junction box

XCDRFDLMH

Sensepoint XCD RFD (continued)

Accessories	Order Number
Pipe mounting bracket (inc. fixings and hex wrench set)	SPXCMTBR
Sunshade / deluge protection	SPXCSDP
Weather protection stainless steel for 705 HT	00780-A-0076
Nylon weather protection for combustible sensor	02000-A-1640
Weather protection housing	02000-A-1635
Duct mount adaptor assembly (requires 1283-1084)	1283-1047
Sensepoint adaptor interface kit (requires 1283-1047)	1283-1084
Calibration gas flow adaptor (for use with 705 sensors)	00780-A-0035
Collecting cone (for use with MPD, Sensepoint and 705 sensors)	02000-A-1642

XCD RFD Calibration Kit	Order Number
Sensepoint XCD RFD calibration kit - includes tubing, flow adaptor, regulator and carrying case (998-100-004, 00780-A-0035, 998-100-012 (1.5LPM), 998-100-003)	XCDRFDKIT

ToxyPoint

Two-Wire Transmitter



CO



The ToxyPoint two wire transmitter provides continuous monitoring for carbon monoxide in ambient air and is designed to reduce the overall cost of ownership with a lower initial investment, eliminating maintenance costs and minimising building electrical operating costs. 2-Year disposable sensor, no calibration required.

ToxyPoint Two-Wire Transmitter

Model Number

Order Number

ToxyPoint: disposable 2-wire 4-20 mA carbon monoxide (CO) transmitter

TP1-M

M-503340

Midas® Extractive Gas Detector



AsH_3 , B_2H_6 , BCl_3 , BF_3 , Br_2 , C_4F_6 , C_5F_8 , CH_2F_2 , CH_3F , CH_4 , Cl_2 , ClO_2 , CO , CO_2 , F_2 , GeH_4 , H_2 , H_2Cl_2Si , H_2S , HBr , HCl , HCN , HF , NF_3 , NH_3 , NO , NO_2 , O_2 , O_3 , PH_3 , Si_2H_6 , SiH_4 , SO_2 , WF_6



Extractive Midas® transmitters (universal) operate with sensor cartridges, for use as a local gas detector. Sensor Cartridges must be ordered separately. Units are powered by 24 Vdc or via Power over Ethernet (PoE). Transmitters provides 0-22 mA analog and Modbus/TCP Ethernet as standard outputs. Integral relays for A1, A2 and fault are included, and may be configured normally open or normally closed, latching or non-latching. Transmitters include (1) PG16 gland fitting for power in and relays out, 1/4 in. O.D.x 1/8 in. I.D. Sample Inlet tubing (10 ft. / 3m), 1/4 in. O.D x 3/16 in. I.D. Exhaust tubing (10 ft. / 3m), and a sample line tubing duct adapter (1283K1090).

Note: Order a sensor cartridge separately for each transmitter.

Applications

- Hospitals
- School Labs
- Chemical Storage Areas

Certifications

- Intertek Classified to: UL 61010-1; and CSA C22.2 No. 61010-1-04
- Intertek tested to EN 61010

Extractive Transmitter for Universal Gas Detection

Midas® Extractive Transmitter

Order Number

MIDAS-T-004



Pyrolyzer Module for NF_3 Gas Detection (order separate transmitter unit)

Pyrolyzer Midas® transmitters provide detection of NF_3 specifically. Unit includes a snap on pyrolyzer module that operates with any Universal Midas® Extractive Transmitter (order separately) and (1) Freon in line filter. Units are powered via direct connection to transmitter unit.

Midas® Pyrolyzer Module

Order Number

MIDAS-T-0P3

Note: Order the NF_3 cartridge (MIDAS-S-HFX) and ventilated top cover (MIDAS-A-039) separately.

High Temperature Pyrolyzer Module for Perfluoro Compounds (PFC) Gas Detection

Higher Temperature Pyrolyzer Midas® transmitters provide detection of C_4F_6 , C_5F_8 and other gases. Unit includes a snap on pyrolyzer module that operates with any Universal Midas® Extractive Transmitter (order separately). Units are powered via direct connection to transmitter unit. Pyrolyzer includes installation screws.

Midas® High Temperature Pyrolyzer Module

Order Number

MIDAS-T-HTP

Note: Order transmitter unit, PFC cartridge (MIDAS-S-CFX) and ventilated top cover (MIDAS-A-039) separately.

LonWorks Module for Midas® Transmitter Connection

Optional LonWorks interface module that mounts to and connects with any single, universal Midas® extractive transmitter with or without Pyrolyzer (order these separately) to provide bi-directional LonWorks connectivity; remote reset and remote control of the onboard relays. Unit is 24 Vdc powered and provides power and communications directly to the attached Midas® transmitter using special Ethernet cross over cable (supplied). Includes mounting bracket to the Midas® transmitter; rear panel installation screws are not supplied.

Midas® LonWorks Interface Module

Order Number

MIDAS-T-LON

Quad LonWorks Module for External Transmitter Connection

Optional Modbus/TCP to LonWorks converter gateway that can connect up to 4 Midas® transmitters (with or without Pyrolyzers) to a LonWorks network. Requires separate 24 Vdc power supply and Ethernet connector cables. Suitable for DIN rail mounting. Consult Honeywell Analytics for full technical details. Access to LonMaker programming is required (not included).

Midas® Quad LonWorks Module

Order Number

MIDAS-A-035

Midas® Transmitter and Cartridge Combined Kits

A complete kit including one universal Midas® transmitter unit (Midas-T-001) and one Midas® sensor cartridge can be ordered as a combined package. Each cartridge is supplied with an extended 2 year warranty. This is the recommended kit for a new installation of a complete gas detection circuit. Cartridge and Transmitter are packaged separately for ease of installation. The detectable range is listed (outside of deadband). With the exception of O₂ (where ambient concentration is typically 20.9%), the sensors will display zero when no gas is present.

	Order Number
Ammonia (NH ₃)	MIDAS-K-NH3
Arsine (AsH ₃), germane (GeH ₄)	MIDAS-K-ASH
Boron trichloride (BCl ₃), dichlorosilane (H ₂ Cl ₂ Si), hydrogen bromide (HBr), hydrogen chloride (HCl)	MIDAS-K-HCL
Boron trifluoride (BF ₃), hydrogen fluoride (HF), nitrogen trifluoride (NF ₃) <i>Note: Must order MIDAS-T-00P Pyro, tungsten hexafluoride (WF₆)</i>	MIDAS-K-HFX
Boron trifluoride (BF ₃), low level, hydrogen fluoride (HF), low level (LDL = 0.22 ppm), tungsten hexafluoride (WF ₆), low level	MIDAS-K-HFL
Bromine (Br ₂), chlorine dioxide (ClO ₂)	MIDAS-K-BR2
Difluoromethane (CH ₂ F ₂) <i>Note: Contact your local RSM or Inside Sales for special ordering requirements.</i>	MIDAS-K-CFX
Carbon dioxide (CO ₂)	MIDAS-K-CO2
Carbon monoxide (CO)	MIDAS-K-COX
Chlorine (Cl ₂), fluorine (F ₂)	MIDAS-K-HAL
Hydrogen (H ₂)	MIDAS-K-H2X
Hydrogen cyanide (HCN)	MIDAS-K-HCN
Hydrogen sulfide (H ₂ S)	MIDAS-K-H2S
Hydrogen (H ₂), methane (CH ₄)	MIDAS-K-LEL
Nitric oxide (NO)	MIDAS-K-NOX
Nitrogen dioxide (NO ₂)	MIDAS-K-NO2
Oxygen (O ₂)	MIDAS-K-O2X
Ozone (O ₃)	MIDAS-K-O3X
Phosphine (PH ₃)	MIDAS-K-PH3
Silane (SiH ₄) (low level)	MIDAS-K-SHL
Silane (SiH ₄), disilane (Si ₂ H ₆)	MIDAS-K-SHX
Sulfur dioxide (SO ₂)	MIDAS-K-SO2
TEOS	MIDAS-K-TEO

Note: To detect NF₃, a separate pyrolyzer module (MIDAS-T-00P) must also be ordered.

Midas® Extractive Gas Detector (continued)

Mounting Accessories	Order Number
Midas® "L" bracket for vertical mounting	MIDAS-A-032
Midas® DIN rail mounting kit	MIDAS-A-036
Ventilated Midas® top cover for pyrolyzer applications	MIDAS-A-039
Flexible conduit, 21 in. length	0235-0128
Flexible conduit, 27 in. length	0235-0163
2A 24 V _{DC} power supply in vented NEMA 4 enclosure	MVIP3632-2A
5A 24 V _{DC} power supply in vented NEMA 4 enclosure	MVIP3632-5A

Duct Sampling Adaptors	Order Number
Duct adapter for 1/4 in. O.D. tubing for 4-16 in. round ducts	1283K1090
Union fitting 1/4 in. tube, polypropylene	0235-0095

Tubing and External Sample Line Filters	Order Number
End of line particulate filter, disposable	780248
End of line particulate filter for corrosive gases, this disposable filter provides protection against particulate build up in the sample line when monitoring for corrosive gases.	1991-0147
Union fitting - use to connect disposable filter to end of line	0235-0095
End of line particulate filter for corrosive gases, this reusable filter housing provides protection against particulate build up in the sample line when monitoring for corrosive gases. Replaceable filter element (P/N 0235-1072) purchased separately	1830-0055
Replacement "corrosive" filter elements (pack of 100), for use in 1830-0055 filter housing	0235-1072
Freon filter for NF ₃ pyrolyzing gas detector	1830-0027
Freon filter for NF ₃ pyrolyzing gas detector (extended life) <i>Note: Not for use with C₄F₆, C₃F₈, CH₃F, CH₂F₂ pyrolyzers</i>	1830-0080
Tubing Teflon® FEP 1/4 in. OD x 1/8 in. ID (sample inlet) (per ft.)	102599
Tubing Teflon® FEP 1/4 in. OD x 1/8 in. ID (sample Inlet) (100 ft. continuous length)	1991-0136
Tubing polypropylene 1/4 in. OD X 3/16 in. ID (exhaust) (per ft.)	100440
Tubing polypropylene 1/4 in. OD X 3/16 in. ID (exhaust) (100 ft. continuous length)	1991-0137

Midas® Extractive Gas Detector (continued)

Midas® Sensor Cartridges

Cartridges are required for all of the above transmitters sensors at time of purchase and for replacement. Several Midas® cartridges can be configured via the transmitter to read a number of different gases based on a common chemical family. Actual details for the sensor detection range are included in the sensor cartridge data sheet and the Midas® technical manual. Midas® sensor cartridges can be ordered as part of a Kit with the universal Midas® transmitter, or as a replacement part with either standard or extended warranty cover. The detectable range is listed (outside of deadband). With the exception of O₂ (where ambient concentration is typically 20.9%), the sensors will display zero when no gas is present.



	Order Number
Ammonia (NH ₃)	MIDAS-E-NH3
Arsine (AsH ₃), germane (GeH ₄)	MIDAS-E-ASH
Boron trichloride (BCl ₃), dichlorosilane (H ₂ Cl ₂ Si), hydrogen bromide (HBr), hydrogen chloride (HCl)	MIDAS-E-HCL
Boron trifluoride (BF ₃), hydrogen fluoride (HF), nitrogen trifluoride (NF ₃), tungsten hexafluoride (WF ₆)	MIDAS-E-HFX
Boron trifluoride (BF ₃), low level, hydrogen fluoride (HF), low level (LDL = 0.22 ppm), tungsten hexafluoride (WF ₆), low level	MIDAS-E-HFL
Bromine (Br ₂), chlorine dioxide (ClO ₂)	MIDAS-E-BR2
Difluoromethane (CH ₂ F ₂), hexafluorobutadiene (C ₄ F ₆), methyl fluoride (CH ₃ F), octofluorocyclopentene (C ₅ F ₈), sulfur hexafluoride (SF ₆)	MIDAS-E-CFX
Carbon dioxide (CO ₂)	MIDAS-E-CO2
Carbon monoxide (CO)	MIDAS-E-COX
Chlorine (Cl ₂), fluorine (F ₂)	MIDAS-E-HAL
Diborane (B ₂ H ₆)	MIDAS-E-B2H
Hydrogen (H ₂)	MIDAS-E-H2X
Hydrogen cyanide (HCN)	MIDAS-E-HCN
Hydrogen sulfide (H ₂ S)	MIDAS-E-H2S
Hydrogen (H ₂), methane (CH ₄)	MIDAS-E-LEL
Nitric oxide (NO)	MIDAS-E-NOX
Nitrogen dioxide (NO ₂)	MIDAS-E-NO2
Oxygen (O ₂)	MIDAS-E-O2X
Ozone (O ₃)	MIDAS-E-O3X
Ozone (O ₃) (high level)	MIDAS-E-O3H
Phosphine (PH ₃)	MIDAS-E-PH3
Silane (SiH ₄) (low level)	MIDAS-E-SHL
Silane (SiH ₄), disilane (Si ₂ H ₆)	MIDAS-E-SHX
Sulfur dioxide (SO ₂)	MIDAS-E-SO2
TEOS	MIDAS-E-TEO

Calibration Kit

	Order Number
Midas® calibration kit	MIDASCALKIT

Commercial Accessories



Strobe-Horn	Model Number	Order Number
DC strobe and horn (P4W-P)	FHS-240	P4W-P
Strobe and horn RED lens - 120 V _{AC} - indoor application	STASR	M-503258
Strobe and horn BLUE lens - 120 V _{AC} - indoor application	STASB	M-500902
Strobe and horn AMBER lens - 120 V _{AC} - indoor application	STASA	M-503257
2-wire horn strobe, standard candela, white, wall, 12 or 24 V _{DC}	P2W-P	P2W-P
2-wire horn strobe, high candela, white, wall, 12 or 24 V _{DC}	P2WH-P	P2WH-P
2-wire outdoor horn strobe, standard candela, white, wall, 12 or 24 V _{DC}	P2WK-P	P2WK-P
2-wire outdoor horn strobe, high candela, white, wall, 12 or 24 V _{DC}	P2WHK-P	P2WHK-P
2-wire horn strobe, standard candela, white, ceiling, 12 or 24 V _{DC}	PC2W-P	PC2W-P
2-wire horn strobe, high candela, white, ceiling, 12 or 24 V _{DC}	PC2WH-P	PC2WH-P
Strobe and horn, RED lens, 24 V _{AC} , indoor or outdoor	STASR24VAC	M-506949
Strobe and horn, BLUE lens, 24 V _{AC} , indoor or outdoor	STASB24VAC	M-512023
Strobe and horn, AMBER lens, 24 V _{AC} , indoor or outdoor	STASA24VAC	M-512024
Stackable base with horn - 120 V _{AC} - indoor or outdoor	STACKSTASBASE	M-500877
Stackable strobe - RED Lens - 120 V _{AC} - indoor or outdoor	STACKSTASR	M-501809
Stackable strobe - BLUE Lens - 120 V _{AC} - indoor or outdoor	STACKSTASB	M-501807
Stackable strobe - AMBER Lens - 120 V _{AC} - indoor or outdoor	STACKSTASA	M-501806
MT4 multitone strobe	WHEELLOCK	WH-126143

Strobe	Model Number	Order Number
Strobe RED lens - 120 V _{AC} - indoor or outdoor application	STAS50R120V	M-502831
Strobe BLUE lens - 120 V _{AC} - indoor or outdoor application	STAS50B120V	M-500901
Strobe AMBER lens - 120 V _{AC} - indoor or outdoor application	STAS50A120V	M-500710
Strobe (NEMA 4X) RED - 120 V _{AC} - Div. 2 hazardous loc	STASHAZR120V	M-502022
Strobe (NEMA 4X) BLUE - 120 V _{AC} - Div. 2 hazardous loc	STASHAZB120V	M-502021
Strobe (NEMA 4X) AMBER - 120 V _{AC} - Div. 2 hazardous loc	STASHAZA120V	M-502020
Explosion Proof strobe - 120 V _{AC} - Class I, Div. 2 - wall mount	STASDEFMUR120	M-501763
Strobe, standard candela, white, wall mount	SW-P	SW-P
Strobe, standard candela, white, ceiling mount	SCW-P	SCW-P
Strobe, high candela, white, wall mount	SWH-P	SWH-P
Outdoor strobe, standard candela, white, wall mount	SWK-P	SWK-P
Outdoor strobe, high candela, white, wall mount	SWHK-P	SWHK-P
Speaker strobe, standard candela, white, wall mount	SPSW-P	SPSW-P
Speaker strobe, high candela, white, wall mount	SPSWH-P	SPSWH-P
Speaker strobe, standard candela, high dB, white, wall mount	SPSWW-P	SPSWW-P
Outdoor speaker strobe, standard candela, white, wall mount	SPSWK-P	SPSWK-P
Sync Module 3 (white)	MDL3W	MDL3W
Sync Module 3 (red)	MDL3R	MDL3R

Commercial Accessories

Horn	Model Number	Order Number
Horn - 120 V _{AC} - indoor application	HORN120VAC	M-503973
Horn (NEMA 4X) - 120 V _{AC} - indoor or outdoor application	HORNWith P120V	M-503974
Explosion proof horn - 120 V _{AC} - Class I Div. 1 and 2, tone selectable	HORNEXPL120VTS	0130-0018
Explosion proof horn - 120 V _{AC} - Class I Div. 1	HORNEXPL120V	M-501767

Lens	Model Number	Order Number
Wall mount lens attachment, blue	LENS-B	LENS-B
Wall mount lens attachment, red	LENS-R	LENS-R
Wall mount lens attachment, amber	LENS-A	LENS-A
Wall mount lens attachment, green	LENS-G	LENS-G

Power Supplies	Model Number	Order Number
120 V _{AC} to 24 V _{DC} adapter for System Sensor horn and strobe units	MP120K	MP120K
24 V _{AC} transformer, rate at 50 VA	VA201TA50	M-503380

Power Supplies: UL or UL/cUL Approved	Model Number	Order Number
12/24 V _{DC} power supply, UL/cUL listed, 2.5A @ 24 V _{DC}	HPV5DC8UL	HPV5DC8UL
24 V _{DC} power supply, 6.5A UL approved	PS-24-150-N12	M-600400
24 V _{AC} power supply, UL/cUL listed, 100 VA, 4.1A @ 24 V _{AC}	HPTV2404UL	HPTV2404UL
24 V _{AC} power supply, UL/cUL listed, 200 VA, 8.3 @ 24 V _{AC}	HPV2401UL	HPV2401UL
24 V _{AC} power supply, UL/cUL listed, 400 VA, 16.6A @ 24 V _{AC}	HPV2416-1UL	HPV2416-1UL

Uninterruptable Power Supplies (UPS)	Order Number
UPS750VA 120V APC Smart-UPS 750 VA	M-507960
UPS1000VA 120V APC Smart-UPS 1000 VA	M-508370
UPSAPCBP, battery unit for APC Smart-UPS	SMX48RMBP2U

Calibration Equipment



Gas Legend

% LEL	Combustibles	Cl ₂	Chlorine	N ₂	Nitrogen
CBrF ₃ / R13B1	Trifluorobromomethane	ClO ₂	Chlorine dioxide	NH ₃	Ammonia
CCl ₃ F / R11	Trichloromonofluoromethane	CO	Carbon monoxide	NO ₂	Nitrogen dioxide
CF ₃ -CH ₂ F / R134A	1,1,1,2-Tetrafluoroethane	CO ₂	Carbon dioxide	O ₂	Oxygen
CH ₂ F ₂ / R32	Difluoromethane	C ₃ H ₈	Propane	O ₃	Ozone
CH ₃ CHF ₂ / R125	Pentafluoroethane	ETO	Ethylene oxide	PH ₃	Phosphine
CH ₄	Methane	H ₂ S	Hydrogen sulfide	SO ₂	Sulfur dioxide
CHCl ₂ CF ₃ / R123	Dichlorotrifluoroethane	HCl	Hydrogen chloride	VOCs	Volatile organic compounds
CHClF ₂ / R22	Chlorodifluoromethane	HCN	Hydrogen cyanide		

Calibration Kits

Order Number

Cal kit for 58-103L cylinders (all products except SQN8x, AirScan™ IR-F9 and XCD)	1309K0002
Sensepoint XCD combustilbe calibration kit	XCDCOMBKIT
Sensepoint XCD toxic calibration kit	XCDTOXKIT
Sensepoint XCD RTD calibration kit - includes calibration cover, potentiometer, adjustment tool, flow housing, regulator and tubing (2106B2114, 02000-A-1645, 998-100-012, 998-100-003, 998-100-004)	XCDRTDKIT
Sensepoint XCD RFD calibration kit - includes tubing, flow adaptor, regulator and carrying case (998-100-004, 00780-A-0035, 998-100-012 (1.5LPM), 998-100-003)	705CALKIT
AirScan™ IR-F9 calibration kit for use with 58/103L cylinders	11337-L9
Demand flow regulator 58-103L cylinders, 0-3LPM for SQN8x	M-700144
Cal kit tubing 6 ft. 1/8 in. I.D. X 1/4 in. O.D. for SQN8x	M-501062
Bump test kit; includes balloon adapter and quad gas cylinder: H ₂ S (40 ppm), CO (200 ppm), CH ₄ (2.5%), O ₂ (10%)	TEST-1A

58L Calibration Gas Cylinders

Balance Liters Order Number

NH ₃ (25 ppm)	N ₂	58	GFV213
NH ₃ (50 ppm)	N ₂	58	2992-0015
NH ₃ (100 ppm)	Air	58	M-501041
NH ₃ (500 ppm)	Air	58	M-507546
H ₂ S (25 ppm)	N ₂	58	M-501046
NO ₂ (5 ppm)	N ₂	58	M-501054
Cl ₂ (5 ppm)	N ₂	58	M-501052
NO (100 ppm)	N ₂	58	2992-0035
SO ₂ (5 ppm)	N ₂	58	M-501055

103L Calibration Gas Cylinders

Balance Liters Order Number

Air	Air	103	M-501008
N ₂	N ₂	103	M-501011
CH ₄ (1% / 20% LEL)	Air	103	M-500975

(continued next page)

Calibration Equipment

103L Calibration Gas Cylinders (cont'd)	Balance	Liters	Order Number
CH ₄ (25% LEL)	Air	103	998-012-001
CH ₄ (50% LEL)	Air	103	998-022-001
C ₃ H ₈ (20% LEL)	Air	103	M-507700
C ₃ H ₈ (50% LEL)	Air	103	998-022-002
C ₂ H ₄ (50% LEL)	Air	103	998-022-004
H ₂ (1% / 20% LEL)	Air	103	M-500976
H ₂ (500 ppm)	Air	103	1991-0159
O ₂ (20%)	N ₂	103	M-500986
O ₂ (20.9%)	N ₂	103	M-508161
CO (200 ppm)	N ₂	103	M-500988
CO ₂ (1,000 ppm)	N ₂	103	M-501010
CO ₂ (2,000 ppm)	N ₂	103	M-500989
CCl ₃ F (R11) (500 ppm)	N ₂	103	M-501012
CBrF ₃ (R13B1) (500 ppm)	N ₂	103	M-511687
CHClF ₂ (R22) (500 ppm)	N ₂	103	M-501005
CHCl ₂ CF ₃ (R123) (500 ppm)	N ₂	103	M-501003
CH ₃ CHF ₂ (R125) (500 ppm)	N ₂	103	M-501004
CF ₃ -CH ₂ F (R134A) (500 ppm)	N ₂	103	M-504530
HFO-1234yf (500 ppm)	N ₂	103	GFV543
HFO-1234yf (1000 ppm)	N ₂	103	GFV544
HFO-1234yf (3000 ppm)	N ₂	103	GFV545
R4310 (500 ppm)	N ₂	103	0320-1024
Blend of R125, R143A and R134A (R404A) (500 ppm)	N ₂	103	M-509316
Blend of R32, R125 and R134A (R407C) (500 ppm)	N ₂	103	M-511688
Blend of R32 and R125 (R410) (500 ppm)	N ₂	103	M-511942
50/50 Blend of R32 and R125 (R507) (500 ppm)	N ₂	103	M-509317

103L Calibration Gas Cylinders: 100 ppm Refrigerant Calibration Gas; Designed for testing AirScan™ IR-F9, CARB 32 Units	Balance	Liters	Order Number
CHClF ₂ (R22) (100 ppm)	N ₂	103	GFV541
CHCl ₂ CF ₃ (R123) (100 ppm)	N ₂	103	M-500981
CF ₃ -CH ₂ F (R134A) (100 ppm)	N ₂	103	GFV542
Blend of R143A, R125 and R134A (R404A) (100 ppm)	N ₂	103	GFV540
Blend of R32, R125 and R134A (R407C) (100 ppm)	N ₂	103	GFV539
Blend of R32 and R125 (R410) (100 ppm)	N ₂	103	GFV537
50/50 Blend of R32 and R125 (R507) (100 ppm)	N ₂	103	GFV538

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Honeywell Analytics Service contact information:

USA Service Workshop Headquarters

405 Barclay Blvd.
Lincolnshire, IL 60069
USA

Attn: Service Dept.

Tel: 888-955-2585 (press 2)

Fax: 847-572-1327

Email: haservice.workshop.us@honeywell.com

Canada Service Workshop Headquarters

3580 Rue Isabelle Unit 100
Brossard, Quebec, Canada
J4Y 2R3

Tel: 1-800-563-2967 (select language + press 2)

Email: haservice.canada@honeywell.com

Honeywell Analytics Lines of Business



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Find out more

www.honeywellanalytics.com

USA

Honeywell Analytics, Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA
Toll-free: 888-955-2585 (press 1)
Tel: 847-955-8200
Fax: 847-955-8210
hasales.us@honeywell.com

USA Technical Services

Tel: 888-955-2585 (press 2)
haservice.workshop.us@honeywell.com

Canada

2840 2nd Ave SE
Calgary, Alberta, Canada
T2A 7X9
3580 Rue Isabelle Unit 100
Brossard, Quebec, Canada
J4Y 2R3

Toll-free: 1-800-563-2967 (select lang. + press 1)

Tel: 847-955-8200
Fax: +1-450-619-2448
hasales.canada@honeywell.com

Canada Technical Services

Tel: 1-800-563-2967 (select lang. + press 2)
haservice.canada@honeywell.com
www.honeywell.com

Latin & South America

Marginal da Rodovia dos Bandeirantes, 100
Distrito Industrial
Jundiaí, São Paulo – Brazil
ZIP: 13213-008
Tel: +55 11 3309 1030
Fax: +55 11 3309 1005
ha.latinamerica@honeywell.com

Europe, Middle East, Africa

Life Safety Distribution AG
Javastrasse 2
8604 Hegnau
Switzerland
Tel: +41 (0) 44 943 4380
Fax: +41 (0) 44 943 4398
gasdetection@honeywell.com

Asia Pacific

Honeywell Analytics, Asia Pacific
#701 Kolon Science Valley (1)
43 Digital-Ro 34-Gil, Guro-Gu
Seoul 152-729
Korea
Tel: +82 2 6909 0300
Fax: +82 2 6909 0329
analytics.ap@honeywell.com



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