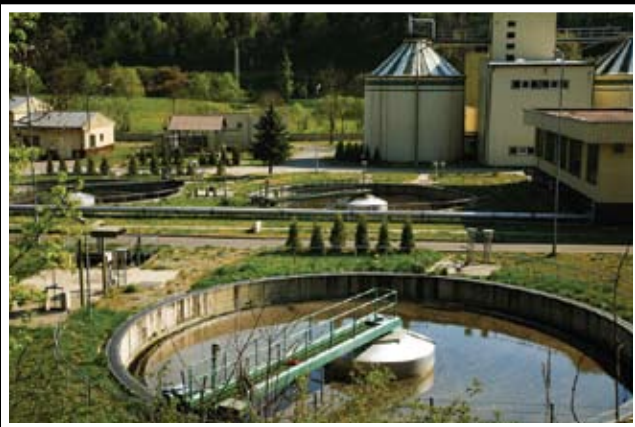


PRODUCT CATALOG



Who We Are

Established in 1983, Otis Instruments, Inc. has been an international force in gas detection for three decades. Founded on a commitment to product excellence and customer satisfaction, our Texas-based company has been on a narrow path to building a better product since its dawning.

As the manufacturer of the Solid State H₂S sensor—a product that improved and revolutionized the Oil and Gas industry during the early 80s—Otis Instruments has defined leadership while surpassing the expectations of an industry.

Our Success

Today, Otis Instruments offers the same founding solid state sensor in a compatible sensor assembly, as well as a complete line of sensor assemblies to support catalytic bead, infrared, PID, and electrochemical sensors. Customizable for a variety of gases—and sustainable in temperatures ranging from desert heat to ice fields—these gas detection products have given industry experts reason to call Otis Instruments the world's foremost authority in gas detection.

WireFree

Otis Instruments is a manufacturer of wired and wireless gas detection systems for a variety of gases in ambient air. Since 2005, Otis Instruments has been specializing in WireFree gas detection. The first company to offer a *truly* wireless gas detection product, our Otis-exclusive WireFree product line is time-tested, and industry-approved.

Our WireFree product line consists of long-range self-contained battery-powered products that are suitable for both domestic and international markets.

Gen II

In 2011, Otis Instruments began unveiling a Gen II product line with ATEX, CSA and ABS certifications for international (and explosion-proof) applications.

Our Gen II product line uses the innovative WireFree technology of the Gen I product line, but also boasts new features. Larger LCDs with transfective backlights, 900 MHz or 2.4 GHz radio options, multiple-radio capacities, data-logging, Ethernet, and additional menu options are all features of Gen II products. From touch-screen data-loggers and a touch-screen monitor, to monitors with 2, 4, 8, 12, 32, or 64 channel capacities, our Gen II product line has everything you'll need for large—or small—applications.

Our Customer Service Approach

Our products are designed for ease of use, minimal maintenance, and reliable detection. In order to help ensure that these criteria are met in an efficient—and effective—manner, Otis Instruments offers a technical training certification program for use and maintenance on all of our products. Email, phone, and on-site technical support is available to all Otis customers, as is system installation by an Otis-certified technician.

At Otis Instruments, we pride ourselves on quality control, competitive prices, and short lead times. We make customer service a priority, and we support that ideal with a certified technical support team, field service technicians, Otis-approved distributors, and in-house manufacturing.

Service Programs*

As an extension of our customer service approach, Otis Instruments offers several programs that include on-site service by an Otis-certified technician.

Our End-User Commission Report provides the end-user with an on-site certification and report stating that the Otis Instruments gas detection system has been properly installed (according to the stated needs of the end-user and Otis Instruments' standards). Our Dealer/Distributor Support Service provides on-site technical support for Dealers and Distributors, and our Modbus Setup Service provides on-site setup of Otis Instruments Modbus/Otisbus communication to the customer's PLC, SCADA systems, etc.

**For pricing and scheduling information, please contact our main office.*

GEN²

By OTIS INSTRUMENTS, INC.

**A NEW GENERATION OF
GAS DETECTION PRODUCTS**

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Wired and WireFree Sensor Assemblies, Sensor Assembly Kit, and 4-Gas Sensor Assembly

OI-6000 Wired Sensor Assembly

CSA & ATEX Certified



Specifications

- WIRED POWER: 12-35 VDC
- CURRENT DRAW: 250mA; varies per configuration
- OUTPUT: 4-20mA (3-wire); RS-485 Modbus
- DISPLAY: Graphical LCD, sunlight readable (transflective), LED back-light, 102x64 resolution
- CERTIFICATION: CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIB T6
ATEX: II 2 (1) GEx d mb [ja] IIB T6
- ENCLOSURE: Otis-blue explosion/flame-proof
- WARRANTY: Hardware: One year (limited)
Sensor: One year (varies with sensor type)

Options

- SENSOR TYPE: Electrochemical, Catalytic Bead, Infrared, or PID
- GASES: H2S, O2, SO2, CL2, H2, NH3, CO, LEL (hydrocarbons), CO2, and more
- RELAYS: Two Dry-Contact with 4 Amp Fuses

OI-6000K Wired Sensor Assembly Kit



Specifications

- **POWER:** +12-35 Volts DC (w/ battery clips)
110/240 Volts AC (w/ cord grips & cable)
- **CURRENT DRAW:** 1.25 A (max @ 24VDC)
- **RELAYS:** Two 5 Amp relays with 4 Amp fuses
- **OUTPUT:** 4-20mA (3-wire); RS-485 Modbus
- **DISPLAY:** Graphical LCD, sunlight readable;
LED back-light, 102 x 64 resolution
- **INTERFACE:** Three push-buttons (MENU, ADD, SUB)
- **ENCLOSURE:** 8" x 8" x 4" Stahlin fiberglass with clear window; wall mount
- **WARRANTY:** Hardware: One year (limited)
Sensor: Varies with sensor type

Options

- **SENSOR TYPE:** Electrochemical, Catalytic Bead, Infrared, or PID
- **GASES:** H₂S, O₂, SO₂, CL₂, H₂, NH₃, CO, LEL (hydrocarbons), CO₂, and more
- **REMOTE SENSOR:** Kit to remote-mount the sensor 10, 25, 50, 75, or 100 feet from the enclosure

OI-675 Electrochemical 2-Wire Sensor Assembly

CSA Certified Enclosure



Specifications

- **SENSOR TYPE:** Electrochemical
- **GAS OPTIONS:** H₂S, O₂, SO₂, NH₃, CO
- **POWER INPUT:** 12-24 VDC; 2-Wire Loop-Power
- **SIGNAL OUTPUT:** 4-20mA
- **TEMPERATURE:** -20 to 40 C
- **INTERFACE:** Three push buttons (MENU, ADD, SUB);
three corresponding magnetic, non-intrusive switches; non-intrusive calibration
- **CERTIFICATIONS:** Enclosure: Class I, Div I, Groups C & D;
Ex d IIB; Zone 1, AEx d IIB
Sensor Housing: Class I, Div. I, Groups C & D
- **ENCLOSURE:** Otis-Blue explosion/flame-proof
- **WARRANTY:** Hardware: One year (limited)
Sensor: One year (varies with sensor type)

OI-6000 WireFree Sensor Assembly



Specifications

- WIRED POWER: 12-35 VDC
- CURRENT DRAW: 250mA; varies per configuration
- UNIT ADDRESS: 1-52 networks (1-78 for 2.4 GHz); 1-255 addresses per network
- OUTPUT: 4-20mA (3-wire); RS-485 Modbus
- DISPLAY: Graphical LCD, sunlight readable (transflective), LED back-light
- CERTIFICATION: CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIB T6
ATEX: II 2 (1) GEx d mb [ia] IIB T6
- ENCLOSURE: Otis-blue explosion/flame-proof
- WARRANTY: Hardware: One year (limited)
Sensor: One year (varies with sensor type)

Options

- SENSOR TYPE: Electrochemical, Catalytic Bead, Infrared, or PID
- GASES: H2S, O2, SO2, CL2, H2, NH3, CO, LEL (hydrocarbons), CO2, and more
- RELAYS: Two Dry-Contact with 4 Amp Fuses
- RADIO TYPE: 2.4 GHz ISM, 100 mW or 900 MHz, 200mW

OI-6900 Battery-Powered WireFree Sensor Assembly



Specifications

- POWER: 3.6 Volt Lithium-Thionyl Chloride (Li-SOCl₂ w/ connector, non-rechargeable)
- BATTERY LIFE: EC 1 year (nominal); IR 6 months (nominal)
- UNIT ADDRESS: 1-52 networks (1-78 for 2.4 GHz); 1-255 addresses per network
- BACKGROUND: Adjustable (0.01 to 10% of full-scale)
- DISPLAY: Graphical LCD, sunlight readable (transflective), LED back-light
- CERTIFICATION: CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIB T6
ATEX: II 2 (1) GEx d mb [ia] IIB T6
- ENCLOSURE: Otis-blue explosion/flame-proof
- WARRANTY: Hardware: One year (limited)
Sensor: One year (varies with sensor type)
Battery: 90 days from ship date

Options

- SENSOR TYPE: Electrochemical or Infrared
- GASES: H2S, O2, CL2, H2, NH3, CO, LEL and more
- RADIO TYPE: 2.4 GHz ISM, 100 mW or 900 MHz, 200mW

OI-6940 4-Gas WireFree Sensor Assembly

The OI-6940 Notis Quad is a battery-powered explosion-proof 4-gas sensor assembly that simultaneously uses up to four sensors—Electrochemical and/or Low-Power Infrared—for sensing an array of toxic gases in ambient air.

The Notis Quad is field-adjustable for background gas, and addressable to eliminate interference with other systems. The Notis Quad is designed to be self-contained, to last for up to 6 months using a 3.6V 76 Amp Hour battery-pack, and to reject EMI and other forms of interference in order to avoid false gas readings.



The Industry's Only
Truly Wireless
Explosion-Proof
Sensor Assembly



OI-7530

General Specifications

- BATTERY TYPE: 3.6V 76 Amp Hour battery-pack
- BATTERY LIFE: Up to 6 months (normal operation)
- DISPLAY: Graphical LCD, sunlight readable (transflective), LED back-light, 160x104 res.
- INTERFACE: Four push buttons (MENU, BACK, ADD, SUB); four corresponding magnetic, non-intrusive switches; non-intrusive calibration
- OPERATING TEMP.: -40° F to 129° F; -40° C to 54° C
- ENCLOSURE: 10x9x6 Explosion-proof; Class I, Groups B, C, D; Class II, Groups E, F, G; Class III; Class I, Zone 1, AEx d IIB+H2; Ex d IIB+H2
- WARRANTY: Hardware: One year (limited)
Sensor: One year (varies with sensor type)
Battery: 90 days (from ship date)

Options

- NUMBER OF SENSORS: Up to four
- SENSOR TYPE OPTIONS: Electrochemical or Low-Power Infrared
- GASES: H2S, O2, SO2, CL2, H2, NH3, CO, LEL (hydrocarbons), and more
- REMOTE SENSORS: Kit to remote-mount the sensors 10, 25, 50, 75, or 100 feet from the enclosure
- RADIO TYPE: 2.4 GHz ISM, 100 mW OR 900 MHz, 200mW

WireFree Signal-Strength Meter, Transmitters, and Interface

Wired and WireFree Monitors and Monitor Kits

OI-9100 WireFree Signal-Strength Meter

The WireFree Gen II View OI-9100 is a hand held signal strength meter specifically engineered to show the status of any WireFree Gen II gas detection device within range.

The View features a 4-line scrollable display. Using a 4-column read, the View is capable of revealing the Channel, Reading, Signal Strength, and Time Since Last Message of any WireFree device on site, as well as the Sensor, Gas, and Battery. The View contains a 900 MHz, 200 mW or 2.4 GHz ISM, 100 mW radio, ensuring prompt and accurate communication with other WireFree devices.

The ability of the View to continuously notify the user of each WireFree device's status at a particular site make the device a truly phenomenal safety product to be introduced into the industry.



Operating Power: Two 3.7V Lithium Ion rechargeable batteries

Battery Life: 16 hours (continuous use); time will vary with battery life

Enclosure: Black aluminum; powder-coated

Enclosure Dimen.: 4.875" x 4" x 1.188"

Radio: 2.4 GHz ISM, 100 mW
900 MHz, 200 mW

Fuses: PTC (automatic resettable)
Non end-user replaceable

Display: 4 x 20 character alpha/numeric LCD

Warranty: Hardware: One-year (limited)

OI-5950 WireFree Switch-State Status Transmitter

CSA Certified Enclosure



The OI-5950 is a WireFree Switch-State Status Transmitter for use in conjunction with a WireFree system. The device receives signals from up to two individually addressable sensors (pressure switch, temperature sensor, flow sensor, tank level sensor, etc.), and then transmits the state of (and change of state of) that switch.

- Operating Voltage: 12-35 Volts DC
- Battery Type: 19 AH
- Battery Voltage: 3.6 VDC
- Battery Life Expect.: Up to 2 years
- Unit Address: 1-52 networks (1-78 for 2.4 GHz); 1-255 addresses per network
- Radio Type: 2.4 GHz ISM, 100 mW or 900 MHz, 200 mW
- Radio Transmission: Every 1 minute with no change from sensor; Every 5 seconds with change from sensor
- Display: Graphical LCD, sunlight readable (transflective), LED Backlight
- Certifications: CSA certified enclosure, Class I, Div I, Groups C and D Ex d IIB, Zone 1 Aex d IIb
- Warranty: Device: One-year (limited); Battery: 90 days

OI-5900 WireFree 4-20mA Status Transmitter

CSA and ATEX Certified



The OI-5900 is a WireFree 4-20mA Status transmitter to be used in conjunction with ANY 4-20mA output sensor—such as flame, temperature, pressure, or tank level—via 4-20mA signal, and is compatible with Otis Instruments' Gen II WireFree product line. Using a monitor allows the OI-5900 to utilize relays and Modbus out.

- Operating Voltage: 12-35 Volts DC
- Unit Address: 1-52 networks (1-78 for 2.4 GHz); 1-255 addresses per network
- Power Consumption: Nominal: 50mA @ 12 VDC in a static condition
- Compatibility: Any 4-20mA output sensor or device
- Radio Options: 2.4 GHz ISM, 100 mW or 900 MHz, 200 mW
- Radio Transmission: Every 1 minute with no change from sensor; Every 5 seconds with change from sensor
- Display: Graphical LCD, sunlight readable (transflective), LED Backlight
- Certifications: CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIb T6 ATEX: II 2 (1) GEEx d mb [ia] IIB T6
- Warranty: One year (limited)



OI-9900 WireFree Repeater

The OI-9900 Gen II WireFree Repeater is a wireless device that receives messages from a sensor assembly and repeats the identical message to a receiver/monitor, allowing for greater distance between devices than with a sensor assembly/monitor setup alone.



(antenna extension included)

- Operating Voltage: +12-35 Volts DC
- Radio Options (2): 2.4 GHz ISM, 100mW; 900 MHz, 200mW
- Networks (Settable): 1-78 (2.4 GHz); 1-52 (900 MHz)
- Operating Temp.: -40° F to 129° F; -40° C to 54° C
- Fuses: PTC (automatic resettable); Non end-user replaceable
- Display: Graphical LCD, transfective, sunlight readable LED back-light, 102 x 64 res.
- Interface: Three push-buttons (MENU, ADD, SUB); three magnetic, non-intrusive switches
- Enclosure: Otis-Blue explosion/flame-proof
- Certifications: CSA certified, Class 1, Div I Groups C and D; Ex d IIB, Zone 1 Aex d IIb
- Warranty: Hardware: One year (limited)

OI-9850 WireFree Interface

Engineered to accommodate the time-tested WireFree product line of Otis Instruments, Inc., the Interface OI-9850 is a Gen II 255 channel receiver that works collectively with Gen I and Gen II WireFree sensor assemblies, and a PLC, PC or other compatible monitor.



Ethernet-to-Website
option for displaying
real-time values

- Operating Voltage: 12-35 Volts DC or 110-240 Volts AC
- Protection: Power EMI filter; 4-20mA and RS-485 surge suppression
- Compatibility: Otis WireFree sensor assemblies
- Radio Options: One Legacy radio: 900 MHz, 100mW and/or one Gen II radio:
 - 2.4 GHz ISM, 100mW OR 900 MHz, 200mW
- Operating Temp.: -20 to 60° C
- Fuses: PTC (Automatic Reset) Manufacturer Replace
- Channels: 255 WireFree
- Output: RS-485 & RS-232 Modbus, 4-20mA (optional); Virtual COM port over USB; Ethernet to website (real-time values)
- Certification: NEMA 4 (enclosure only)

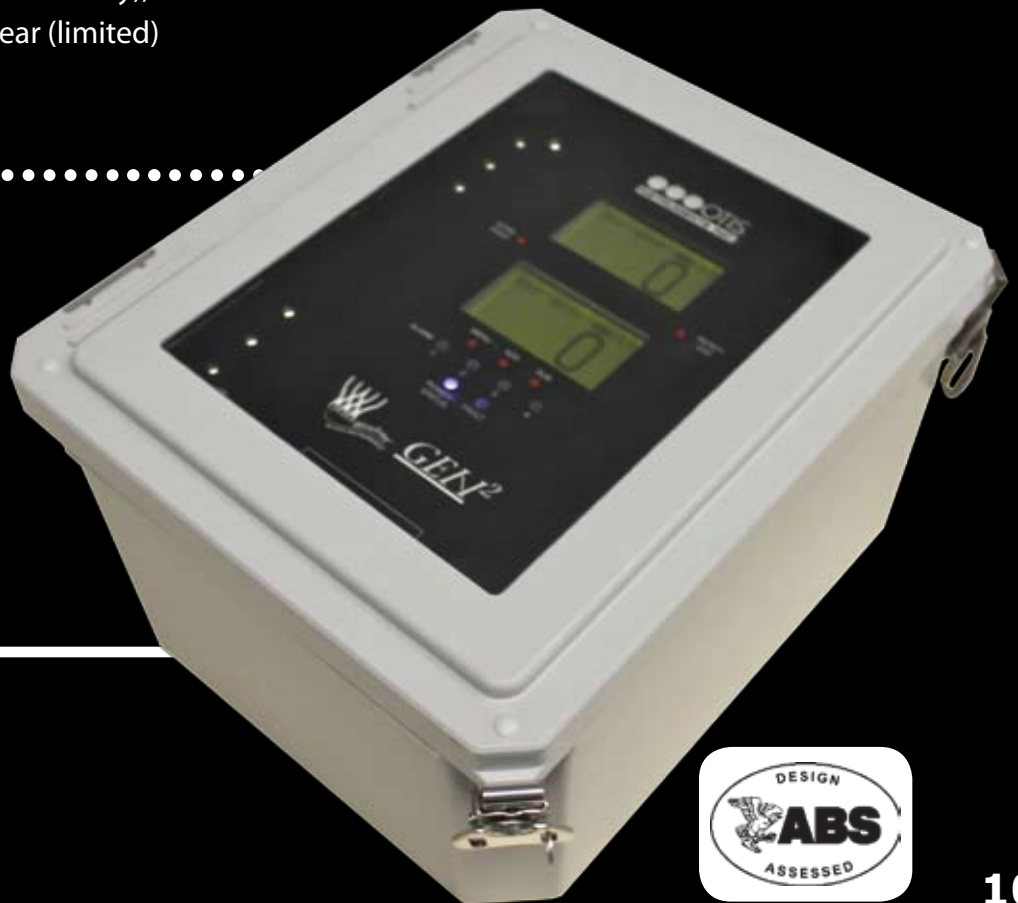
- Enclosure: Stahlin 10" x 8" x 6"; fiberglass w/ clear window
- Display: Graphical LCD (128 x 64), transfective, sunlight readable, LED backlight
- Warranty: 1 year (limited)

OI-7010 Hybrid Monitor

The Otis Instruments, Inc. Gen II OI-7010 is a Hybrid Monitor that supports up to 12, 32 or 64 WireFree sensor assemblies, and up to four wired (4-20mA) sensors (when only eight (or 28 or 60) channels are setup as WireFree).

The OI-7010 is backward compatible with Gen I WireFree sensor assemblies, and also supports Gen II Wirefree sensor assemblies (configurable).

- Operating Voltage: 12-35 VDC, 110/240 VAC
- Compatibility: Otis WireFree and wired (4-20mA input) sensor assemblies
- Channels: 12, 32 or 64
- Gases: All that are supported by the sensor assemblies
- Wired Output: RS-485 Modbus
- Relays: Four Dry-Contact with 4 Amp Fuses
- Protection: Power EMI filter, surge suppression, 4-20mA and RS-485 surge suppression
- Current Draw: 275mA at 24 VDC (monitor without sensor assemblies); 6.6 Watts Max
- Radio Options: One Legacy radio:
 - 900 MHz, 100mWand/or one Gen II radio:
 - 2.4 GHz ISM, 100mW
 - 900 MHz, 200mW
- Display: Two graphical LCD (128 x 64), transfective, sunlight readable, LED backlight
- Enclosure: Stahlin 10" x 8" x 6" fiberglass, clear window
- Certifications: NEMA 4 (enclosure only); ABS
- Warranty: Hardware: 1 year (limited)



OI-7032 Touch-Screen Hybrid Monitor

The Otis Instruments, Inc. Gen II OI-7032 (32-Channel) is a Hybrid Monitor that supports up to 32 WireFree sensor assemblies, and up to four 4-20mA input sensors (when only 28 channels are setup as WireFree).

The OI-7032 is backward compatible with Gen I WireFree sensor assemblies, and also supports Gen II Wirefree sensor assemblies (configurable).



- Operating Voltage: 24 VDC (nominal; 22-26 Volts DC); 120/240 Volts AC
- Protection: Power EMI filter, surge suppression, 4-20mA and RS-485 surge suppression
- Compatibility: Otis WireFree and wired (4-20mA input) sensor assemblies
- Radio Options: One Legacy radio:
 - 900 MHz, 100mW
 - and/or one Gen II radio:
 - 2.4 GHz ISM, 100mW
 - 900 MHz, 200mW
- Operating Temp. Range: -20 to 122 degrees F
- Current Draw: 400mA at 24 Volts DC
- Certifications: NEMA 4 (enclosure only)
- Channels: 32
- Wired Out: RS-485 Modbus
- Relays: Four Dry-Contact with 4 Amp Fuses
- Gases: All that are supported by Otis sensor assemblies
- Enclosure: Stahlin 12x10x6 fiberglass with clear window
- Display: 7.0 Inch 800x480 pixels resistive touchscreen
- Warranty: Hardware: 1 year (limited)

OI-7500-XP Explosion-Proof WireFree Monitor

The WireFree Gen II OI-7500-XP is an explosion-proof 32-Channel 3-relay wireless monitor specifically designed for use in conjunction with Gen II WireFree sensor assemblies.

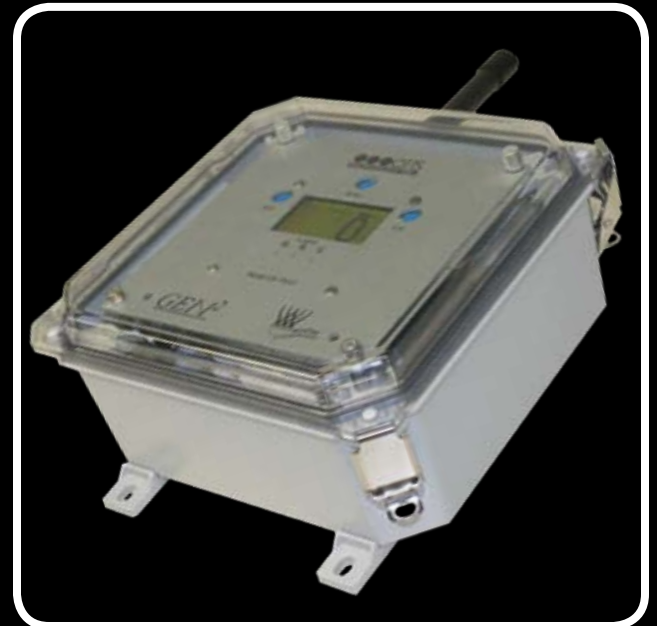
Supply Voltage:	12-35 VDC or 120/240 VAC
Current Draw	275mA at 24 VDC (monitor only); 6.6 Watts Max
Temperature:	-30 to 70° C
Channels:	32 channels
Relays:	Three dry-contact with 4 Amp fuses; three individually configurable set-points
Radio Options:	· 2.4 GHz ISM, 100mW · 900 MHz, 200mW
Power Connection:	Phoenix-like screw terminal
RF Connection:	Class I, Div. 1; External N Female connector
Enclosure:	Explosion-proof Class I, Div. 1
Warranty:	Hardware: One year (Limited)



OI-7543 WireFree Monitor

The WireFree Gen II OI-7543 is a 4-channel 3-relay, wireless monitor specifically designed for use in conjunction with Gen II WireFree sensor assemblies.

Supply Voltage:	12-35 VDC or 120/240 VAC
Current Draw:	275mA at 24 VDC (monitor only); 6.6 Watts Max
Temperature:	-30 to 70° C
Display:	Graphical LCD (128 x 64), transflective, sunlight readable, LED backlight
Channels:	4 channels
Relays:	Three dry-contact with 4 Amp fuses; three individually configurable set-points
Radio Options:	· 2.4 GHz ISM, 100mW · 900 MHz, 200mW
Power Connection:	Phoenix-like screw terminal
Enclosure:	Stahlin fiberglass, clear window
Enclosure Dimen.:	8" x 8" x 4"
Enclosure Mounting:	Wall Mount
Warranty:	Hardware: One year (Limited)



OI-7530 Explosion-Proof WireFree Relay

The WireFree Gen II Relay OI-7530 is a 32-Channel, 3-relay wireless relay/alarm monitor specifically designed for use in conjunction with Gen II WireFree sensor assemblies.

Supply Voltage: 12-35 VDC or 120/240 VAC

Current Draw: 275mA at 24 VDC (monitor only); 6.6 Watts Max

Temperature: -30 to 70° C

Channels: 32 channels

Relays: Three dry-contact with 4 Amp fuses; three individually configurable set-points

Radio Options: · 2.4 GHz ISM, 100mW
· 900 MHz, 200mW

RF Connection: Class I, Div. 1; External N Female connector

Enclosure: Explosion-proof Class I, Div. 1

Warranty: Hardware: One year (Limited)



**Sensor Assemblies not included*

OI-7420K Gen II ProSafe Wired Monitor/Sensor Assembly Kit

The Gen II ProSafe 4x2² Model OI-7420 is a two-channel gas monitor that functions as a transmission controller.

The OI-7420K is a customizable kit with pre-mounted alarms (light/horn), and up to two Gen II wired (4-20mA) sensor assemblies (OI-6000).

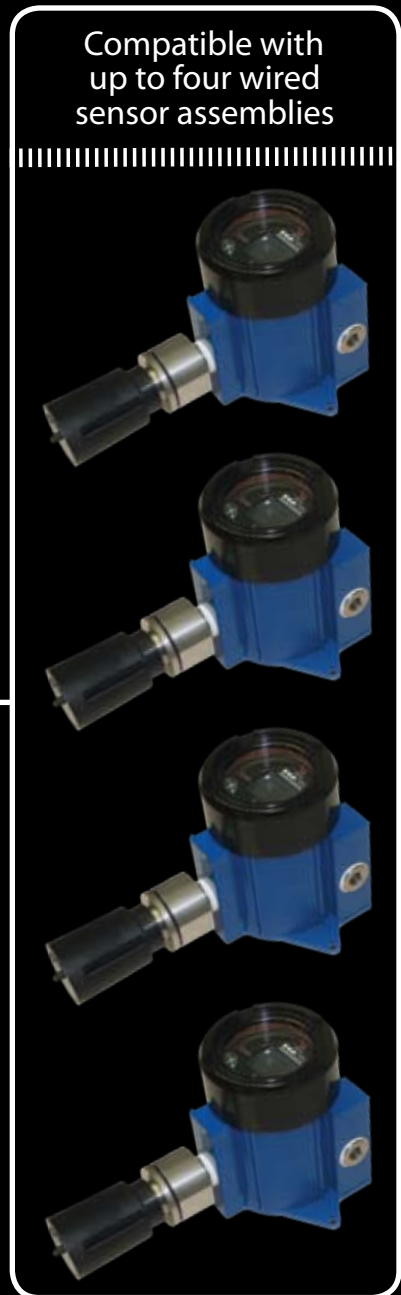


Monitor Specifications

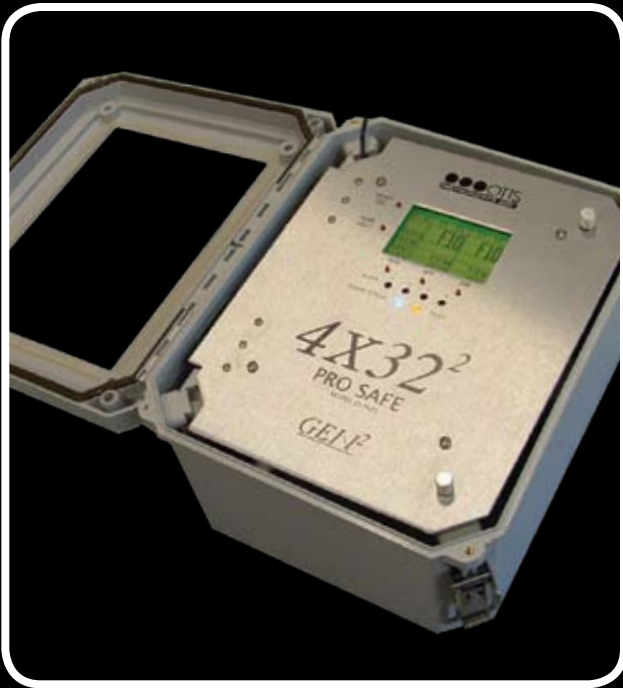
- Operating Voltage: 12-35 Volts DC or 120/240 Volts AC
- Input Signal: 4-20mA
- Output: +12-35 Volts DC (fault indicator); RS-485 Modbus
- Current Draw: 250mA at 12 Volts DC
- Relays: Four Dry Contact 5 Amp w/ 4 Amp fuses
- Channels: Two
- Protection: Power EMI filter, surge suppression, 4-20mA and RS-485 surge suppression
- Display: Graphical LCD (160x104); transfective; sunlight readable; LED backlight
- Enclosure: 8" x 8" x 4" Stahlin fiberglass w/ clear window; wall mount
- Warranty: One year (limited)

OI-7440 4X4² ProSafe Wired Monitor

- Operating Voltage: 12-35 VDC, 110/240 VAC
- Input Signal: 4-20mA
- Output: RS-485 Modbus; +12-35 VDC Fault Indicator
- Current Draw: 275mA at 24 VDC (monitor without sensor assemblies); 6.6 Watts Max
- Channels: Four
- Gases: All that are supported by the sensor assemblies
- Display: Graphical LCD (160x104), transfective, sunlight readable, LED backlight
- Relays: Four Dry Contact with 4 Amp Fuses
- Protection: Power EMI filter, surge suppression, 4-20mA and RS-485 surge suppression
- Enclosure: Stahlin fiberglass, clear window
- Enclosure Dimensions: 10" x 8" x 6"
- Enclosure Mounting: Wall Mount
- Certifications: NEMA 4 (enclosure only)
- Warranty: Hardware: One year (limited)



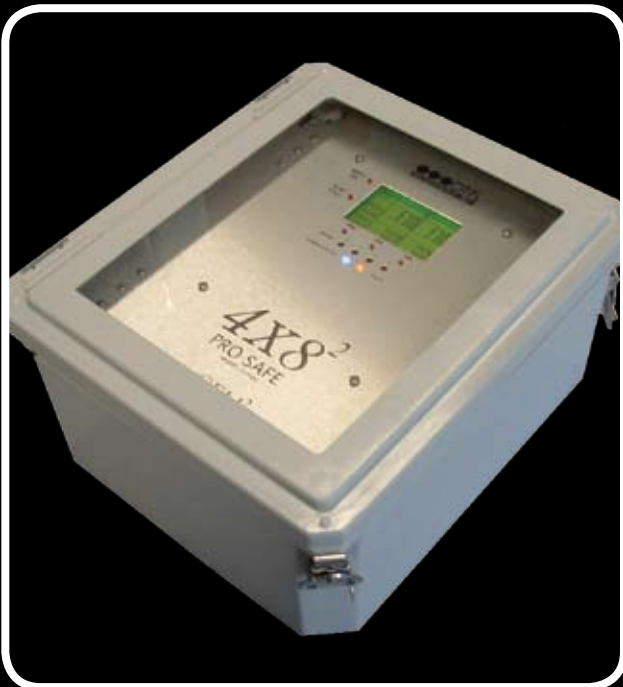
OI-7432 32-Channel RS-485 Modbus Wired Monitor



Operating Voltage:	12-35 VDC, 110/240 VAC
Input Signal:	RS-485 Modbus
Output:	RS-485 Modbus +12-35 VDC Fault Indicator
Current Draw:	275mA at 24 VDC (monitor only); 6.6 Watts Max
Gases:	All that are supported by Otis sensor assemblies
Display:	Graphical LCD (160x104), transflective, sunlight readable, LED backlight
Relays:	Four Dry Contact with 4 Amp Fuses
Protection:	Power EMI filter, surge suppression, RS-485 surge suppression
Enclosure:	Stahlin fiberglass w/ clear window
Certifications:	NEMA 4 (enclosure only)
Warranty:	Hardware: One year (limited)

Channels:	32
Enclosure Dimensions:	10" x 8" x 6"
Enclosure Mounting:	Wall Mount

OI-7480 8 or 12-Channel Wired Monitor



Operating Voltage:	12-35 VDC, 110/240 VAC
Input Signal:	4-20mA
Output:	RS-485 Modbus +12-35 VDC Fault Indicator
Current Draw:	325mA at 24 VDC (monitor only); 7.8 Watts Max
Gases:	All that are supported by Otis sensor assemblies
Display:	Graphical LCD (160x104), transflective, sunlight readable, LED backlight
Relays:	Four Dry Contact with 4 Amp Fuses
Protection:	Power EMI filter, surge suppression, RS-485 surge suppression
Enclosure:	Stahlin fiberglass w/ clear window
Certifications:	NEMA 4 (enclosure only)
Warranty:	Hardware: One year (limited)

Channels:	8 or 12
Enclosure Dimensions:	12" x 10" x 6"
Enclosure Mounting:	Wall Mount

Flame and Open Path Detectors

40/40I Triple IR (IR3) Flame Detector

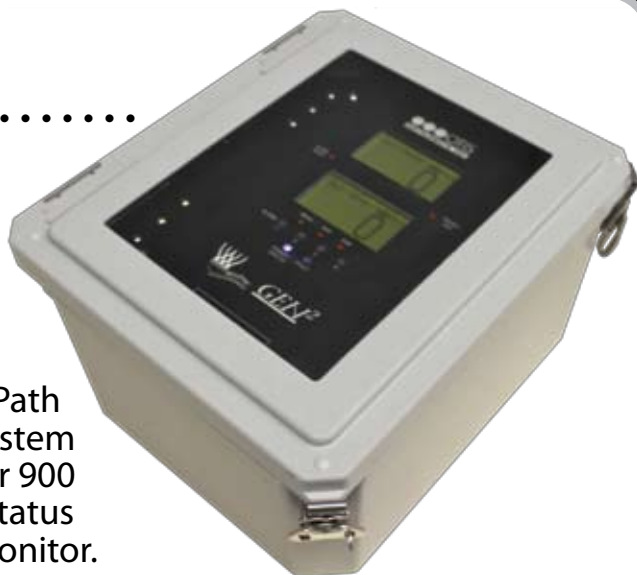
- Multi Spectrum Design - for long distance detection and high false alarm immunity
 - Sensitivity Selection - to ensure no zone crossover detection
 - Automatic and Manual Built-In-Test (BIT) - to assure continued reliable operation
 - Heated Window - for operation in harsh weather conditions (snow, ice, condensation)
 - Multiple Output Options - for maximum flexibility and compatibility
 - HART protocol for maintenance and asset management
 - Relays (3) for alarm, fault and auxiliary
 - 0-20mA (stepped)
 - RS-485, Modbus compatible
 - High Reliability - MTBF - minimum 150,000 hours
 - Approved to Safety Integrity Level 2 (SIL2 - TUV)
 - User Programmable via HART or RS-485
 - 3rd party performance tested
 - EN54-10 (VdS)
 - FM3260 (FM)
 - DNV Marine Approval
- 
- Ex approved for Zone 1 hazardous area location
 - ATEX
 - IECEx
 - FM/FMC
 - CSA
 - 5-Year Warranty

SafEye Quasar 900

- Detects hydrocarbon gases including methane, ethylene, propane, ethane, butane, etc.
- Detection range: 7-200m in three different models (same detector, different sources)
- Built in event recorder - real-time record of the last 100 events
- Designed to meet SIL2, per IEC61508
- Ex approval:
 - FM/FMC approved per - Class I Div 1 Group B, C and D; Class, I II Div 1 Group E, F and G
 - ATEX & IECEx approved per - Ex d e ib [iB Gb] IIB = H2 T4 Gb; Ex tb IIIc T135°C Db
 - Performance test - approved to FM 6325 and tested per EN 60079-29-4 by FM
- Fast connection to hand-held for prognostic and diagnostic maintenance
- Heated optics
- Outputs:
 - 0-20mA
 - HART protocol for maintenance and asset managements
 - RS-485, Modbus compatible
- High reliability - MTBF minimum 100,000 hours
- User programmable via HART or RS-485
- 3 year warranty (10 years for the flash source)



Create a complete Open Path WireFree Gas Detection System by using the SafEye Quasar 900 with an OI-5900 4-20mA Status Transmitter and WireFree monitor.



The logo for GEN² features the word "GEN" in a large, white, serif font, with a horizontal line underneath. The superscript "2" is positioned to the right of "GEN". The entire logo is centered within a white rectangular border.

*GEN*²

A New Generation of Gas Detection Products.

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