

OI-6940-NXP Quad Sensor Assembly

The OI-6940 NXP Series by Otis Instruments is a wireless, AC-powered ambient air multi-gas detection system designed for general industrial and commercial applications. This non-explosion proof unit utilizes up to four sensor elements simultaneously, providing comprehensive monitoring of a wide range of toxic gases in non-hazardous environments.

Key Features:

- **Multi-Gas Detection:** Supports up to four sensor elements for simultaneous detection of toxic gases, ensuring broad environmental safety coverage.
- **Non-Intrusive Calibration:** Magnetic switches enable in-field configuration and calibration, offering convenient system adjustments without opening the device.
- **Dynamic Reporting:** Provides gas level readings every minute, with an increased reporting frequency of every five seconds when gas concentrations exceed the adjustable Background Gas Set-Point.
- **Real-Time Display:** The integrated display screen offers a continuous readout of the current gas concentrations, enabling quick and informed responses.
- **AC Power with Backup Battery:** Operates on AC power, with an internal backup battery pack to ensure uninterrupted performance during power fluctuations.

Ideal For:

- Industrial and commercial facilities
- Air quality monitoring
- General safety applications
- Non-hazardous locations

The Otis Instruments WireFree OI-6940 NXP Series provides reliable and accurate gas detection, combining robust performance with ease of use for safe and efficient operation in non-hazardous environments.



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WireFree AC Powered Non-Explosion-Proof Multi-Gas Detector

Product Specifications	
Sensor Type	Electrochemical, Photo Ionization Detector, and/or Low-Power Infrared Sensor
Power Type	AC Power Supply with Integrated 3.6VDC/76Ah Backup Battery Pack
RF Connection	External N-Female Radio Frequency (RF) Connector, Flexible Antenna Included
Display Screen	160x104 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	4 Push-Buttons (MENU, ADD, SUB, and BACK) 4 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD, SUB, and BACK)
Customizable Settings	Adjustable Background Gas Setting (1% to 10% of Full
T _{amb} Temperature Range	-20 to +54°C
WireFree Radio Options	GEN II 900 MHz (200 mW) Radio or GEN II 2.4 GHz (125 mW) Radio
Networks	52 Networks (GEN II 900 MHz Radio) or 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Product Dimensions	5 in. D x 10.5 in. W x 20 in. H (Max. Dimensions w/ Attachments)
Hardware Warranty	Limited one year
Sensor Element Warranty	Varies with Sensor Element and is Subject to Otis Verification
Part Number Formula	OI-6940-[Number of Sensors]-[Radio]-NXP OI-6940-X-X-NXP
Optional Remote Sensor Kit	OI-501-7-NXP-Remote Sensor Kit Part Number - OI-501-7-NXP-[Gas Type] * Electrochemical Sensor - Up to 250 Feet of Cable * Low Power Infrared Sensor - Up to 40 Feet of Cable * Photo Ionization Detector - Up to 35 Feet of Cable

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