

GEN²

OI-6940-X-X-XP Quad Sensor Assembly

WireFree Battery Powered Explosion-Proof Multi-Gas Detector

The Otis Instruments WireFree OI-6940 battery-powered ambient air multi-gas detector simultaneously uses up to 4 sensor elements to detect an array of toxic and combustible gases. The OI-6940 features non-intrusive configuration and calibration and continuously monitors the gas level of the surrounding environment. The OI-6940 normally reports once a minute however, the reporting rate will increase to once every five seconds when the detected gas is above the Background Gas Set-Point. This set-point is adjustable to account for sites that may have a constant low level of gas always present. The display screen always shows the present gas concentration being detected. Mounting is made easy and mobile using the Model OI-6940-ST optional wheeled stand.



Gas Type	Range	T ₉₀	Warranty
CO	0-1000 ppm	< 30 secs.	24 months
H ₂ S	0-100ppm	< 30 secs.	24 months
HCN	0-50 ppm	< 70 secs.	12 months
LEL	0-100% LEL	< 50 secs.	24 months
O ₂	0-25% vol.	—	24 months
SO ₂	0-20 ppm	< 35 secs.	24 months

Product Features

- Electrochemical or Low-Power Infrared Sensor
- Battery Powered 3.6 V / 76 Ah Battery Pack (Non-Rechargeable)
 - 6 Months Maximum Battery Life
- Graphical LCD with LED Backlight
- 4 Push-Button Interface (ADD, MENU, SUB, BACK)
 - 4 Magnetic Non-Intrusive Switches
- WireFree (Wireless) Communication
- Adjustable Background Gas Setting per Sensor
- Available with either GEN II 900 MHz or GEN II 2.4 GHz Radio
- 1-Year Limited Hardware Warranty
- Sensor Element Warranty Subject to Otis Verification
- Optional OI-501-7 Remote Sensor Mounting Kit
- Optional OI-6940-ST Wheeled Stand

OI-6940 Product Specifications

Product Specifications	
Sensor Type	Electrochemical and/or Low-Power Infrared Sensor
Power Type	Battery Powered 3.6 V (76 Ah) Battery Pack (Non-Rechargeable)
Battery Life	6 Months Maximum Battery Life
RF Connection	External N-Female Radio Frequency (RF) Connector
Display Screen	160x104 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	4 Push-Buttons (MENU, BACK, ADD, and SUB) 4 Magnetic Non-Intrusive Switches for Calibration (MENU, BACK, ADD, and SUB)
Customizable Settings	Adjustable Background Gas Setting (1% to 10% of Full Scale) Settable per Sensor Element
T _{amb} Temperature Range	-40°C to +60°C
WireFree Radio Options	GEN II 900 MHz Radio or GEN II 2.4 GHz Radio
Networks	52 Networks (GEN II 900 MHz Radio) or 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Component Certification	Class I, Division 1 Groups C & D
Product Dimensions	7 in. D x 11 in. W x 24 in. H (Max. Dimensions w/ Attachments)
Total Weight	25 lbs.
Hardware Warranty	Limited One Year
Sensor Element Warranty	Varies with Sensor Type and Element and is Subject to Otis Verification
Part Number Formula	OI-6940-[Number of Sensors]-[Radio]-XP OI-6940-X-X-XP
Optional Remote Sensor Kit	OI-501-7 Remote Sensor Kit Part Number—OI-501-7 <ul style="list-style-type: none"> Electrochemical Sensor—Up to 250 Feet of Cable Low Power Infrared Sensor—Up to 40 Feet of Cable
Optional Product Accessories	OI-6940-ST, 2-Wheeled Cart/Stand

