

## OI-6750 Sensor Assembly

The Otis Instruments OI-6750 Series is a robust toxic gas detector designed to provide reliable and accurate gas detection in extreme climatic conditions and harsh environments. Utilizing an electrochemical sensor, the OI-6750 offers versatile gas detection capabilities, making it ideal for industrial and commercial safety applications.

### *Key Features:*

- **Advanced Electrochemical Sensor:** Provides precise detection of a wide range of toxic gases, ensuring enhanced safety monitoring in critical environments.
- **2-Wire Loop-Powered Design:** Engineered to withstand extreme temperatures, humidity, and challenging conditions, delivering consistent performance and simplified installation.
- **Non-Intrusive Calibration:** Magnetic switches enable in-field calibration, allowing for full system configuration and diagnostics without needing to open the device, maintaining system integrity and safety.
- **Built for Harsh Environments:** The OI-6750's rugged design ensures long-term reliability, making it suitable for industries with demanding operational conditions.
- **Ease of Maintenance:** Designed for quick access to system settings, enhancing operational efficiency and minimizing downtime during maintenance procedures.

### *Ideal For:*

- Oil and gas facilities
- Chemical processing plants
- Industrial manufacturing sites
- Extreme and harsh environments

The Otis Instruments OI-6750 Series delivers dependable toxic gas detection, combining advanced sensor technology, durable construction, and user-friendly features to provide robust safety measures in demanding conditions.



## 2-Wire Electrochemical Toxic Gas Detector

Product Specifications	
Sensor Type	Electrochemical
Power Type	Loop-Powered (2-Wire)
Operating Voltage	12V to 35V DC
Current Draw	35 mA Maximum
Display Screen	102x64 Resolution Graphical LCD Screen
Product Compatibility	Gen II WireFree Transmitter (OI-5900)
	Gen II Wired Monitors (OI-7010, OI-7032, OI-7420, OI-7440, OI-7480)
Interface	3 Push-Buttons (MENU, ADD and SUB)
	3 Magnetic, Non-Intrusive Switches for Calibration
T <sub>amb</sub> Temperature Range	-40°C to +60°C (Varies with Sensor Type)
Wired (Analog) Output	4-20 mA (2-Wire)
Product Dimensions	5.42 in. L x 6.03 in. W x 17.03 in. H (Max. Dimensions with Attachments)
Enclosure Materials	Aluminum Device Enclosure
	303 Stainless-Steel Sensor Housing
Total Weight	5.75 lbs.
Product Mounting	Wall Mount (Included)
Approvals	QPS Component Certified Explosion-Proof
Hazardous Location Certification Approvals	Class I, Division 1, Group B, C and D
	T <sub>amb</sub> -40° C to +60° C
Hardware Warranty	1-Year Limited
Sensor Element Warranty	1-Year (Varies with Gas Type)
Part Number Formula	OI-6750-[Gas]-X-O
	OI-6750-X-X-O

