

OI-6900 CUBE

The Otis Instruments OI-6900 CUBE Series is a non-explosion-proof, WireFree gas detector designed for general industrial applications. Utilizing electrochemical, low-power infrared, or PID sensors, it provides reliable monitoring of toxic gases in ambient air.

Key Features:

- Versatile Sensing: Supports electrochemical, low-power infrared, and PID sensors
- Wireless Connectivity: GEN II 900 MHz or 2.4 GHz radio options
- Non-Intrusive Calibration: Magnetic interface for calibration, configuration, and diagnostics without opening the device
- Dual Battery Powered: Extended runtime with reduced maintenance

Applications:

- Industrial and commercial environments
- General air quality monitoring
- Non-hazardous locations
- Maintenance and safety programs

The OI-6900 delivers reliable performance, simple operation, and flexible deployment for toxic gas detection in non-hazardous environments.



WireFree CUBE Non-Explosion Proof Detector

Product Specifications

Sensor Type	Electrochemical, Photo Ionization Detector, or Low-Power Infrared Sensor
Power Type	Dual Battery-Powered
Operating Voltage	3.6 V/38 Ah (19 Ah each) Lithium-Thionyl Chloride (Li-SOCl ₂) Battery with connector, non-rechargeable
Estimated Battery Life	<ul style="list-style-type: none"> * Low Power Infrared—1-Year Max Battery Life * Photo Ionization Detector—14+ Days Battery Life * Electrochemical—2-Year Max Battery Life
RF Connection	Internal Antenna
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD, and SUB)
Customizable Settings	Adjustable Background Gas Setting (1% to 10% of Full Scale)
T _{amb} Temperature Range	-40 to +70°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
Product Dimensions	5.16" D x 5.12" W x 7.68" H (Max. Dimensions w/ Attachments)
Total Weight	6 lbs.
Remote Sensor Kit Additional feature	OI-501 Remote Sensor Kit with Enclosure (7 pin) <ul style="list-style-type: none"> * Electrochemical Sensor Max Length: 250 Feet * Low Power Infrared Sensor Max Length: 40 Feet * Photo Ionization Detector Max Length: 35 Feet
Enclosure Material	NEMA Class I, 4, 4X and 6 Polycarbonate Enclosure with Clear Window—IP 66, UL 508
Hardware Warranty	Limited one year
Sensor Element Warranty	Varies with Sensor Element and Type
Part Number Formula	OI-6900-[Gas]-[Radio]-C-2B OI-6900-X-X-C-2B