

OI-6400

The Otis Instruments OI-6400 Series is a 4 gas detector designed for comprehensive monitoring in industrial environments. Supporting up to four sensor types—including electrochemical, infrared, PID, and refrigerant—it delivers flexible, multi-gas detection with integrated safety alarms.

Key Features:

- **Quad Gas Monitoring:** Supports four configurable sensor elements for toxic, combustible, VOC, and refrigerant gases
- **Integrated Alarms:** Top-mounted strobe (red, amber, or blue) and bottom-mounted audible siren
- **Reliable Outputs:** 4–20 mA analog and RS-485 Modbus communication
- **Remote Monitoring Option:** Remote sensor kit with multiple housings for hard-to-reach areas

Applications:

- Industrial safety systems
- Chemical processing
- HVAC and refrigerant monitoring
- Manufacturing environments

The OI-6400 delivers versatile, multi-gas detection with integrated alarms and flexible deployment for enhanced safety and operational efficiency.



3-Wire Multi Gas Detector

Product Specifications

Sensor Type	Electrochemical, Photo Ionization Detector, Infrared or Refrigerant
Power Type	Wire Powered (3-Wire) 120/240 VAC
Power Draw	2 Watts Max at 24 VDC
Protection	Power Electromagnetic Interference (EMI) filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	(4) 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	2 Individually-Configurable Alarm LED Set-Points (per Control Board)
T _{amb} Temperature Range	-20 to +54°C
Wired (Analog) Output	4-20 mA (3-Wire) - Fault Terminal (per Control Board)
Wired (Digital) Output	RS-485 Output
Product Dimensions	6.31 in. D x 10.06 in. W x 17.31 in. H (Max. Dimensions w/ Attachments)
Total Weight	11 lbs.
Remote Sensor Kit Additional feature	OI-501 Remote Sensor Kit with Enclosure (5 pin) * Electrochemical Sensor Max Length: 250 Feet * Infrared Sensor Max Length: 40 Feet * Photo Ionization Detector Max Length: 35 Feet
Built In Alarms	Red, Amber or Blue Strobe Light Miniature Dual Tone Piezo Siren
Hardware Warranty	Limited one year
Sensor Element Warranty	Varies with Sensor Element and Type
Part Number Formula	OI-6400-[Strobe Color]-X (Must specify gas types when ordering) OI-6400-R-X