

OI-6000-R CUBE

The Otis Instruments OI-6000 CUBE (R) Series is a versatile ambient air gas detector utilizing electrochemical, infrared, or PID sensors to detect a wide range of gases. The CUBE (R) detector comes with 2 dry contact relays allowing to tie into existing facility alarms.

Key Features:

- Flexible Sensing: Supports Electrochemical, Infrared, Refrigerant and PID sensor options
- Wired Power: Comes standard with AC power cable allowing ease of use and flexibility to move device from place to place
- Multiple Outputs: Device comes standard with both 4–20 mA analog, RS-485 Modbus communication. Radio option available
- Non-Intrusive Calibration: Magnetic interface for field calibration, configuration, and diagnostics

Applications:

- Laboratories
- Food and Beverage facilities
- Industrial manufacturing
- Wastewater facilities
- General industry using hazardous gas

The OI-6000 CUBE (R) delivers reliable, flexible gas detection with straightforward integration into industrial control systems.



CUBE with Relays 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 for DC
Protection	Power Electromagnetic Interference (EMI) filter 4-20 mA Surge Suppression RS-485 Surge Suppression Radio
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	2 Individually-Configurable Relay Set Points Alarm set points can be changed on the device to activate external alarms
T _{amb} Temperature Range	-40 to +70°C
Wired (Analog) Output	4-20 mA (3-Wire) - Fault Terminal
Wired (Digital) Output	RS-485 Output
Product Dimensions	5.16" D x 5.12" W x 7.68" H
Total Weight	5 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
Enclosure Material	NEMA Class I, 4, 4X and 6 Polycarbonate Enclosure with Clear Window—IP 66, UL 508 and UL 746C (f1) Rated
Hardware Warranty	Limited one year
Sensor Element Warranty	Varies with Sensor Element and Type
Part Number Formula	OI-6000-[Sensor Type]-[Gas Type]-[Radio]-[Relay (R)/Light Option (L)]-[Power Supply]-C OI-6000-EC-O2-X-R-AC-C