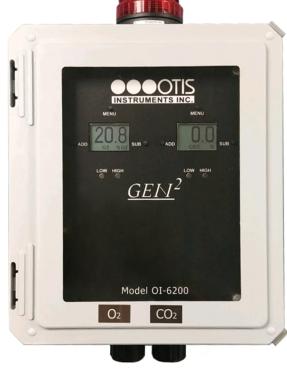# OI-6200-X-X Dual Gas Sensor Assembly

Non-Explosion Proof Wired Power Ambient Air Dual Gas Detector

The Otis Instruments OI-6200 Series Ambient Air Dual Gas Detector is a versatile assembly that uses two electrochemical, infrared, PID, or a variety of each, sensor elements to detects a variety of gases. Wired power (12 to 35 VDC) with 4-20mA analog and RS-485 Modbus outputs per each control board.

The OI-6200 includes an AC Power Supply with 6 foot cord to allow for quick installation and power-up.

The OI-6200 also includes a top mounted strobe light and bottom mounted miniature buzzer to alert when any control board is detecting gas above alarm levels. The strobe light can be Red, Amber, Blue, or LED Tri-Light. The Remote Sensor Kit version includes 2 remoted sensor housings with 50 feet of cable per housing.

When the Remote Sensor Kit version is selected the OI-6200 is DC powered by a 25 foot cable and battery clips.

Gas Type	Range	T$_{90}$	Warranty
EC-AsH3	0-1 ppm	< 30 sec.	10 months
EC-CH2O	0-10 ppm	< 30 sec.	12 months
EC-CH3SH	0-10 ppm	< 100 sec.	12 months
IR-CH4	0-100% vol.	< 30 sec.	60 months
EC-CL2	0-10 ppm	< 60 sec.	12 months
EC-CLO2	0-1 ppm	< 120 sec.	12 months
EC-CO	0-1000 ppm	< 30 sec.	24 months
IR-CO2	0-5% vol.	< 30 sec.	60 months
EC-ETO	0-10 ppm	< 80 sec.	12 months
EC-F2	0-1 ppm	< 80 sec.	12 months
EC-H2	0-4% vol.	< 60 sec.	18 months
EC-H2S	0-100 ppm	< 30 sec.	24 months
EC-H2S2K	0-2000 ppm	< 25 sec.	24 months
EC-HBr	0-30 ppm	< 40 sec.	12 months
EC-HCL	0-30 ppm	< 300 sec.	12 months
EC-HCN	0-50 ppm	< 70 sec.	12 months
EC-HF	0-10 ppm	< 90 sec.	12 months
IR-LEL	0-100% LEL (0-5 % vol.)	< 30 sec.	60 months
EC-NH3	0-100 ppm	< 90 sec.	12 months
EC-NH3300	0-300 ppm	<120 sec.	12 months
EC-NH3A	0-1000 ppm	< 120 sec.	12 months
EC-NO	0-250 ppm	< 40 sec.	12 months
EC-NO2	0-20 ppm	< 25 sec.	12 months
EC-O2	0-25% vol.	< 15 sec.	24 months
EC-O3	0-5 ppm	< 60 sec.	12 months
EC-O3H	0-100 ppm	< 60 sec.	12 months
EC-PH3	0-5 ppm	< 30 sec.	12 months
EC-SO2	0-20 ppm	< 35 sec.	24 months
PID-VOC10	0-10 ppm	< 3 sec.	6 months / 24 months
PID-VOC20	0-20 ppm	< 3 sec.	6 months / 24 months
PID-VOC50	0-50 ppm	< 3 sec.	6 months / 24 months
PID-VOC1K	0-1000 ppm	< 3 sec.	6 months / 24 months
PID-VOC2K	0-2000 ppm	< 3 sec.	6 months / 24 months

Product Features

- 2 Electrochemical, Infrared, PID or a Variety of Each Sensor Elements

- AC Power Supply with 6 Foot Power Cord Included (Standard Version Only)

- Operating Temperature Range of -40°C to +70°C

- Graphical LCD with LED Backlight

- Red, Amber, Blue, or LED Tri-Light Strobe Light Mounted on Top

- Dual Tone Buzzer Mounted on Bottom

- 3 Push-Button Interface (ADD, MENU, SUB) per Control Board

- Output Options per Control Board: 4-20 mA (3-Wire) Analog, RS-485 Modbus

- Optional Remote Sensor Kit Version

- 2 Individually Configurable Alarm Set-Points per Control Board; 2 Front Panel LED Indicators (Amber and Red) per Control Board

- 1-Year Limited Hardware Warranty

- Sensor Element Warranty Subject to Otis Verification

- NEMA 4X Fiberglass Enclosure with Clear Window

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OI-6200-X-X Product Specifications

Product Specifications	
Sensor Types	Electrochemical, Infrared, Photo Ionization Detector
Power Voltage	AC Power Supply Input Voltage 100-240VAC
DC Power Draw	2 Amps Maximum at 24VDC
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	2 102x64 Resolution Graphical LCD Screens with LED Backlights
Interface	3 Push-Buttons (MENU, ADD, and SUB) per Control Board
Customizable Settings	2 Individually-Configurable Alarm LED Set-Points (per Control Board)
Built In Alarms	Red, Amber, Blue, or LED Tri-Light Strobe Light Miniature Dual Tone Buzzer
T_{amb} Temperature Range	-40ºC to +70ºC
Wired (Analog) Output	4-20 mA (3-Wire) & Fault Terminal (per Control Board)
(Digital) Output	RS-485 Modbus (per Control Board)
Product Dimensions	17 5/16" T x 10 1/16" W x 6 5/16" D
Total Weight	11 Lbs
Hardware Warranty	Limited one year
Sensor Element Warranties	Varies with Gas Type, Subject to Otis Verification
Enclosure Material	NEMA Class I, 4, 4X and 6 Fiberglass Enclosure with Clear Lid - IP 66, UL 508 and UL 746C (f1) Rated
Part Number Formula	OI-6200-[Strobe Color]-[Remote Sensor Kit] **Strobe Color Options** **R** - Red Strobe Light **A** - Amber Strobe Light **B** - Blue Strobe Light **RGA** - Red, Green, Amber LED Tri-Light Strobe **Remote Sensor Kit Option** **X** - No Remote Sensor Kit **RSK** - 2 Remote Sensor Assemblies, Each Remote Sensor Assembly is 50 Feet in Length. OI-6200 is DC Powered Using Battery Clips.