



# WIRELESS GAS DETECTOR

## LEADERS IN GAS DETECTION

Since 1977

## OI-6000 Sensor



### Features:

- Non-intrusive calibration
- Glass lid for viewing amplifier display
- Explosion and weather proof custom enclosure
- Rain/splashguard for sensor protection

### Sensors available for:

- Chlorine
- Carbon monoxide
- Carbon dioxide
- Fluorine
- Hydrogen
- Hydrogen sulphide
- Hydrogen chloride
- Hydrogen cyanide
- Hydrogen fluoride
- Ammonia
- Oxygen
- Sulphur dioxide
- Methyl mercaptan
- Nitrogen dioxide
- Ozone
- Hydrocarbons
- Ethylene oxide
- VOC's

The Gen II wireless model OI-6900 ambient air gas sensor assembly uses electro-chemical (EC), catalytic bead, PID, or infrared (IR) sensor elements.

The device comes standard with a 102 x 64 graphical LCD screen, our standard three-button interface, custom explosion-proof enclosure, and non-intrusive magnetic switches.

The OI-6000 sensor assembly's key feature is non-intrusive calibration and configuration. With all adjustments made at the sensor assembly, one-man non-intrusive calibration is quick, easy and allows the sensor housing and enclosure to remain class I, div 1, group C and D certified while in the field.

Features such as auto-setting zero, relay/alarm test and battery voltage indication make this device a truly remarkable gas detection system.



OIL & GAS



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FUMIGATION

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#### Offices/Agents in:

Sydney  
Melbourne  
Adelaide

Hobart  
Auckland  
Wellington



Sensor Type	Electro-chemical (EC), Catalytic Bead, PID, or Infrared (IR).
Power	+12-35 Volts DC
Power	12-35 Volts DC
Current Draw	100 mA (max)
Radio Options	900MHz ISM, 200mW, 11 km LOS (line of site)
Relay Options	5 Amp relays with 4 Amp fuses
Output	4-20mA (3-wire); RS-485 Modbus
Display	Graphical LCD, sunlight readable LED back-light, 102x64 resolution
Interface	Three push buttons (MENU, ADD, SUB); three corresponding magnetic, non-intrusive switches, non-intrusive calibration
Enclosure	Otis-Blue explosion/flame proof
Certification	CSA certified, Class 1, Div I, Group C and D, Ex d IIB, Zone 1 Atex d IIB
Warranty	Hardware: one year (limited). Sensor: varies with sensor type

#### Sensor Data

Sensor Type	Part #	Gas	Gas Formula	Operating Temp	Range
EC	OI-254-CL2	Chlorine	CL <sub>2</sub>	-20 to +40°C	0-10ppm
	OI-254-CO	Carbon Monoxide	CO	-20 to +50°C	0-1000ppm
	OI-254-CO-500	Carbon Monoxide	CO	-20 to +50°C	0-500ppm
	OI-254-F2	Fluorine	F <sub>2</sub>	-20 to +50°C	0-1ppm
	OI-254-H2	Hydrogen	H <sub>2</sub>	-20 to +40°C	0-4%
	OI-254-H2S	Hydrogen Sulphide	H <sub>2</sub> S	-20 to +50°C	0-100ppm
	OI-254-H2S-2	Hydrogen Sulphide	H <sub>2</sub> S	-40 to +50°C	0-100ppm
	OI-254-H2S-3	Hydrogen Sulphide	H <sub>2</sub> S	-20 to +40°C	0-100ppm
	OI-254-HCL	Hydrogen Chloride	HCL	-20 to +40°C	0-30ppm
	OI-254-HCN	Hydrogen Cyanide	HCN	-40 to +40°C	0-30ppm
	OI-254-HF	Hydrogen Fluoride	HF	-20 to +50°C	0-10ppm
	OI-254-NH3	Ammonia	NH <sub>3</sub>	-40 to +40°C	0-100ppm
	OI-254-O2	Oxygen	O <sub>2</sub>	-30 to +55°C	0-25%
	OI-254-SO2	Sulphur Dioxide	SO <sub>2</sub>	-20 to +50°C	0-20ppm
	OI-254-CH4S	Methyl Mercaptan	CH <sub>4</sub> S	-10 to +40°C	0-14ppm
	OI-254-NO2	Nitrogen Dioxide	NO <sub>2</sub>	-20 to +50°C	0-20ppm
	OI-254-O3	Ozone	O <sub>3</sub>	-20 to +50°C	0-1.0ppm
IR	OI-140-IR-CO2	Carbon Dioxide	CO <sub>2</sub>	-20 to +50°C	0-5%
	OI-140-IR-CO2-100	Carbon Dioxide	CO <sub>2</sub>	-20 to +50°C	0-100%
	OI-140-IR-LEL	Hydrocarbons	Various	-20 to +50°C	0-5%
	OI-140-IR-LEL-C2H4O	Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	-20 to +50°C	0-3%
	OI-140-IR-LEL-HR	Hydrocarbons	Various	-20 to +50°C	0-100%
CB	OI-120-HS	Hydrocarbons	Various	-20 to +70°C	0-100%
	OI-120-NP-17SHM	Hydrocarbons	Various	-40 to +150°C	0-100%
PID	OI-160-PID	VOC's	various	-10+50°C	0-1000ppm

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