



OI-6000-X-X-X-L-X-C Sensor Assembly

Non-Explosion Proof Wired Powered Ambient Air Toxic Gas Detector

The Otis Instruments OI-6000 Series Ambient Air Toxic Gas Detector is a versatile assembly that uses an electrochemical, infrared or PID sensor element to detect a variety of gases.

Wired powered (12 to 35 VDC) with 4-20 mA analog and RS-485 Modbus outputs. Magnetic switches allow for non-intrusive calibration while in the field as well as full system settings and diagnostics.



Gas Type	Range	T ₉₀	Warranty
EC-ASH3	0-1 ppm	< 30 sec.	10 months
EC-CH20	0-10ppm	< 30 sec.	12 months
EC-CH3SH	0-10 ppm	< 100 sec.	12 months
EC-CL2	0-20 ppm	< 60 sec.	12 months
EC-CLO2	0-5 ppm	< 120 sec.	12 months
EC-CO	0-1000 ppm	< 30 sec.	24 months
LPIR-CO2	0-1.5% vol.	< 30 sec.	24 months
EC-ETO	0-10 ppm	< 80 sec.	12 months
EC-F2	0-1 ppm	< 80 sec.	12 months
EC-H2	0-4%	< 60 sec.	18 montns
EC-H25	0-100 ppm	< 30 sec.	24 months
EC-H252K	0-2000 ppm	< 25 sec.	24 months
EC-HBr	0-30 ppm	< 40 sec.	12 montns
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
LPIR-LEL	0-100% LEL (0-5% vol.)	< 30 sec.	24 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 montns
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 montns
EC-PH3	0-5 ppm	< 30 sec.	12 monts
EC-SO2	0-20 ppm	< 35 sec.	24 montis
PID-VOC10	0-10 ppm	≤5560	6 months / 24 months
PID-VOC20	0-20 ppm	< 3 sec.	6 months / 24 months
PID-VOCO	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



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OI-6000-X-X-X-L-X-C Product Specifications	
Sensor Type	Electrochemical, Infrared, Photo Ionization Detector
Power Type	Wired Powered (3-Wire) 12-35 VDC (Optional AC Power Supply)
Power Draw	2 Watts Max
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with White 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 LET Set-Points
T _{amb} Temperature Range	-40 to +70°C
Wired (Analog) Output	4-20 mA (3 Wire) - Fault Terminal
(Digital) Output	RS-485 Modbus Optional GEN II 900 MHz or GEN II 2.4 GHz Radio WireFree Output
Product Dimensions	5" L x 5" W x 5" H
Total Weight	5 lbs.
Sensor Element Warranty	Varies With Gas
Hardware Warranty	Limited one year
Enclosure Material	NEMA Class I, 4, 4X, and 6 Polycarbonate Enclosure with Clear Window- IP 66, UL 508 and UL 746C (f1) Rated
Product Number Formula	OI-6000-[Sensor Type]-[Gas]-[Radio Option]-[Relay/Light Option]-[Power Supply]-C

