

EXPLOSION PROOF WIRED POWERED AMBIENT AIR HAZARDOUS GAS DETECTOR

LEADERS IN GAS DETECTION

OI-6000

Since 197



Gas Type	Range	T ₉₀	Warranty
EC-AsH3	0-1 ppm	< 30 sec.	10 months
EC-CH20	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-CL02	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-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
CB2-LEL	0-100% LEL (0-5 % vol.)	< 90 sec.	24 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

Features:

- Electrochemical, Infrared, Catalytic Bead or PID Sensor Flement
- Wired Powered (3-Wire), 12 to 35 VDC Operating Voltage
- Operating Temperature Range of -40°c to + 54°c
- Graphical LCD with LED Backlight
- 3 Push-Button Interface (ADD, MENU, SUB) with 3 Corresponding Magnetic, Non-Intrusive Switches
- 2 Individually Configurable Alarm Set-Points: Two Front Panel LED Indicators (Amber and Red); Optional 2 Dry-Contact Relays
- Output Options: 4-20 mA (3-Wire) Analog, RS-485 Modbus, Optional GEN II 900 MHz or GEN II 2.4 GHz Radio
- Sensor Element Warranty Subject to Verification
- 1-Year Limited Hardware Warranty

Applications:

- Blast Mining
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Gas, telephone & electric utilities
- Manufacturing facilities
- Laboratories

The OI-6000 Series Ambient Air Hazardous Gas Detector is a versatile assembly that uses an electrochemical, infrared, catalytic bead 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 standard. Magnetic switches allow for non-intrusive calibration while in the field as well as full system settings and diagnostics.

Sydney Melbourne
Hobart Adelaide
Auckland Wellington
www.controlequipment.com.au

Specifications

Sensor Type	Eletrochemical, Infrared, Catalytic Bead or PID			
Operating Voltage	Wired Powered (3-Wire) 12 to 35 VDC			
Power Draw	2 Watts Maximum			
Protection	Power Eletromagnetic 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			
Customizable Settings	2 Individually-Configurable Alarm LED/Relay Set-Points			
Tamb Temperature Range	-40°C to +54°C			
Output (Digital)	RS-485 Modbus			
Wired (Analog) Output	4-20 mA (3-Wire) Fault Terminal Optional 2 Dry-Contact Relays with Replaceable 4 Amp Fuses			
Remote Sensor Kit (Optional Additional Feature)	OI-501-5 Remote Sensor Kit with Enclosure (5 Pin) • Electrochemical Sensor Max. Length: 250 Feet • Infrared Sensor Max. Length: 40 Feet • PID Sensor Max. Length: 35 Feet • Catalytic Bead Sensor Max. Length: 15 Feet			
Product Dimensions	5.5 in. T x 6 in. W x 7 in. H (8 in. W x 17 in. H Max. with	5.5 in. T x 6 in. W x 7 in. H (8 in. W x 17 in. H Max. with Attachments)		
Total Weight	6 lbs.			
Hazardous Location Certifications and Approvals	CSA Class I, Division 1, Groups C & D Ex d IIB T6 Gb Class I, Zone 1, AEx db IIB T6 Gb Tamb -40°C to +54oc ATEX Models w/ Radio Option Ex II 2 (1) G Ex db mb ia [ia Ga] IIB T6 Gb Ta= -40°C to +54°C IECEX Models w/ Antenna Fitting Ex db mb ia [ia Ga] IIB T6 Gb -40°C ≤ Ta ≤ +54°C	Models w/out Radio Option Ex II2G Ex db mb IIB T6 Gb Ta= -40°c to +54°c Models w/out Antenna Fitting Ex db mb IIB T6 Gb		
Hardware Warranty	-40°C ≤ Ta ≤ +54°C 1-Year, Limited			
Sensor Element Warranty	Varies with Gas Type			
Part Number Formula	OI-6000-[Sensor Type]-[Gas]-[Radio Option]-[Relay Option]- OI-6000-X-X-X-X-O			