

WireFree Gas Detection for Oil Battery Applications



Industry Certified
Sensor Assemblies and Monitors



Edmonton: (780) 628-5759
Calgary: (403) 668-4534
Fax: (780) 628-5760
info@h2solutionsinc.com
www.h2solutionsinc.com

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OI-6900 Sensor Assembly Specifications

Power:	3.6 Volt Lithium-Thionyl Chloride (Li-SOCl ₂ w/ connector)
Battery Life:	EC 1 year (nominal); IR 6 months (nominal)
Unit Address:	1-52 networks (1-78 for 2.4 GHz)
Background:	Adjustable (0.01 to 10% of full-scale)
Display:	Graphical LCD, sunlight readable, LED back-light
Sensor Type:	Electrochemical or Infrared
Gases:	H ₂ S, O ₂ , CL ₂ , H ₂ , NH ₃ , CO, LEL and more
Radio Type:	2.4 GHz ISM, 100 mW or 900 MHz 200mW
Certification:	CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIB T6 ATEX: II 2 (1) GEx d mb [ia] IIB T6



OI-6000 Sensor Assembly Specifications

Power:	12-35 VDC
Current Draw:	250mA; varies per configuration
Unit Address:	1-52 networks (1-78 for 2.4 GHz);
Output:	4-20mA (3-wire); RS-485 Modbus
Display:	Graphical LCD, sunlight readable, LED back-light
Sensor Type:	Electrochemical, Catalytic Bead, Infrared, or PID
Gases:	H ₂ S, O ₂ , SO ₂ , CL ₂ , H ₂ , NH ₃ , CO, LEL CO ₂ , and more
Relays:	Two Dry-Contact with 4 Amp Fuses
Radio Type:	2.4 GHz ISM, 100 mW or 900 MHz 200mW
Certification:	CSA: Class I, Div I, Groups C and D T6 Ex d IIB, Zone 1 Aex d IIB T6 ATEX: II 2 (1) GEx d mb [ia] IIB T6



OI-7500-XP ProSafe Monitor Specifications

Supply Voltage:	12-35 VDC or 120/240 VAC
Current Draw:	275mA at 24 VDC (monitor only); 6.6 Watts
Max Temperature:	-30 to 70° C
Channels:	32 channels
Relays:	Three dry-contact with 4 Amp fuses; indiv. config.
Radio Options:	2.4 GHz ISM, 100mW OR 900 MHz, 200mW
Power Connection:	Phoenix-like screw terminal
RF Connection:	Class I, Div. 1; External N Female connector
Display:	Graphical LCD, sunlight readable, LED backlight
Enclosure:	Explosion-proof Class I, Div. 1



OI-7010 Hybrid Monitor Specifications

Operating Voltage:	12-35 VDC, 110/240 VAC
Channels:	12 or 32
Wired Output:	RS-485 Modbus
Relays:	Four Dry-Contact with 4 Amp Fuses
Enclosure:	Stahlin 10" x 8" x 6" fiber glass, clear window
Certifications:	NEMA 4 (enclosure only)
Radio Options:	One Legacy radio (900 MHz, 100mW) And/or one Gen II radio (2.4 GHz ISM, 100mW OR 900 MHz, 200mW)
Protection:	Power EMI filter, surge suppression, 4-20mA and RS-485 surge suppression
Current Draw:	275mA at 24 VDC (monitor w/out sensor assemblies); 6.6 Watts Max
Display:	Two graphical LCD (128 x 64), sunlight readable, LED backlight

