



Toxic/Oxygen Gas Detectors

"The Art of Gas Detection"



*SenSmart 7100

- 2.4GHZ/900MHZ wireless with integral battery
- Local calibration and real time event log
- 15' remote sensor option
(backlight available on local powered version)



*SenSmart 3100

- 3-Wire 4-20mA [source] with local backlit LCD graphic display
- Local Calibration and real time event log
- Single Port Modbus RTU/relays option



SenSmart 1100

- Low Cost, 2-Wire 4-20mA [sink]

SenSmart 6100*

- QVGA LCD with stunning color graphics
- Ethernet: Modbus TCP with web server
- RS-485 remote sensor option
- Dual Port Modbus RTU/relays option



SenSmart 2100*

- 2-Wire 4-20mA [sink] with local LCD graphic display
- Local calibration and real time event log



* 2100-7100 models also available in "PY" Poly Enclosure



Dual Sensor models are also available for:
SenSmart 3000, 6000 and 7000 series gas detectors

Models are available in Aluminum, Stainless Steel and Poly enclosure options. For features, please see the table below, and as always, contact R.C. Systems for solutions to your gas detection needs.

	2-Wire		3-Wire		Wireless
Toxic/Oxygen Detectors	SenSmart 1100	SenSmart 2100	SenSmart 3100	SenSmart 6100	SenSmart 7100
Display	None	LCD	Backlit LCD	Color Backlit LCD	LCD
Power Supply	10-30VDC 4-20mA Loop	10-30VDC 4-20mA Loop	10-30 VDC	10-30 VDC	10-30 VDC or 3.6V Battery
Modbus RTU (RS-485)			Yes	Yes	
Modbus TCP/IP				Yes	
Alarm Relays			Yes	Yes	
4-20 mA Output	Sink	Sink	Source ¹	Source	
Local Alarm Indication		LEDs	LEDs	LCD Display Color	LEDs
Real Time Clock		Yes	Yes	Yes	Yes
Event Log		Yes	Yes	Yes	In WLR Controller
Temperature compensation		Yes	Yes	Yes	Yes
Local Calibration		Yes	Yes	Yes	Yes
Magnetic Keypad		Yes	Yes	Yes	Yes
Arctic Sensor Available			Yes	Yes	
Enclosure Heater Available			Yes		
Embedded Webpage				Yes	
Password Protected		Yes	Yes	Yes	Yes
Sensor Life		Local Display and Transmit	Local Display and Transmit	Local Display and Transmit	Local Display
Remote Sensor			4-20mA	Up to 4000'	Up to 15'

Area Classification Guide

Gas	Gas Detector	SenSmart 1100	SenSmart 2100	SenSmart 3100	SenSmart 6100	SenSmart 7100
Arsine (AsH3) Carbon Monoxide (CO) Ethylene Oxide (C2H4O) Hydrogen (H2) Hydrogen Cyanide (HCN) Hydrogen Sulfide (H2S) Nitric Oxide (NO) Nitrogen Dioxide (NO2) Oxygen (O2) Sulfur Dioxide (SO2)		Cl 1 Div. 1 ² Explosion Proof or Intrinsically Safe	Cl 1 Div. 1 ² Explosion Proof or Intrinsically Safe Cl 1 Div. 2 Non-Incendive		Cl 1 Div. 1 ² Explosion Proof Cl 1 Div. 2 Non-Incendive	
Ammonia (NH3) Chlorine (Cl2) Chlorine Dioxide (ClO2) Fluorine (F2) Hydrogen Chloride (HCl) Hydrogen Fluoride (HF) Ozone (O3)		Cl 1 Div. 1 ² Intrinsically Safe	Cl 1 Div. 1 ² Intrinsically Safe Cl 1 Div. 2 Non-Incendive		Cl 1 Div. 2 Non-Incendive	

1 Isolated 4-20mA Output Option Available

2 Not available for Poly Enclosure. Poly Enclosure only certified for Class 1 Division 2 applications.