

SenSmart 7000 Series

"The Art of Gas Detection" - Built with our Proven WaveCast Transmitter



Non-metallic Poly "PY" model



Aluminum "AL" XP model



Aluminum "AL" model with Dual Sensor

The battery -powered **SenSmart 7000** wireless gas detector, with ultra-low power design and easy to use features, provides the most advanced, economical and reliable true wireless toxic and combustible gas detection solution. The **SenSmart 7000** is compatible with all RC System's toxic sensors, including hydrogen sulfide, carbon dioxide, oxygen, hydrogen cyanide and many others. In addition, the **SenSmart 7000** also supports the new low-power infrared sensor for hydrocarbon combustibles or carbon dioxide.

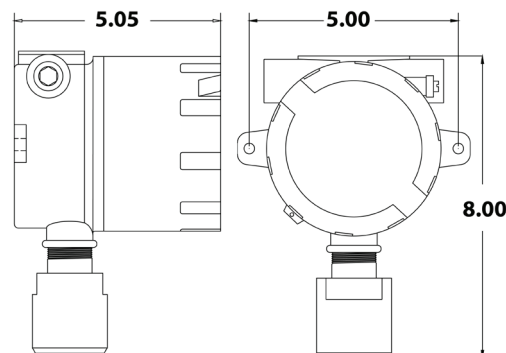
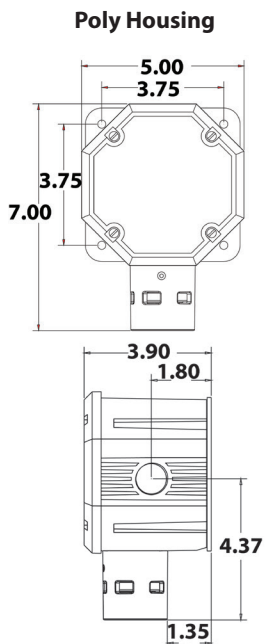
FEATURES HIGHLIGHT

- CSA Certified for Class 1, Division 2 hazardous locations
- D-cell lithium battery powered for up to 9 months Toxic/Oxygen and 6 months LEL operation
- Available for both 900Mhz and 2.4Ghz
- Frequency-Hopping Spread Spectrum (FHSS) technology
- Typical > 1 mile range with local dipole antenna (900Mhz)
- Detected gas data transmits on six second intervals
- Supports Single or dual sensor
- Graphic display shows values, units, trend graph, alarm levels
- Power ON / Power OFF using magnetic wand only
- Non-intrusive, user-prompted calibration procedure
- Transmits all setup information to Wireless Receiver
- Security settings to lock critical parameters
- Auto-recognition of Smart Sensors uploads calibration data and more
- Fault supervision circuitry detects failed sensor and transmits warning
- Setup in hazardous area requires only simple magnetic wand
- Magnetic mount option available
- Three adjustable independent alarm levels per sensor
- 5 LEDs indicate alarms and communication status

SPECIFICATIONS

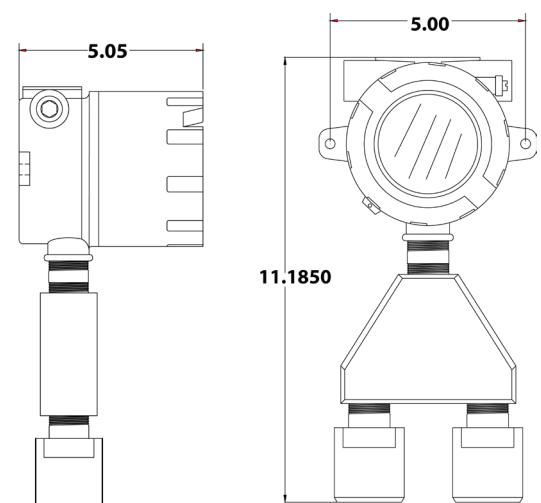
Power Supply	Standard battery powered version - Replaceable internal D-cell lithium battery; 9 months Toxic/Oxygen and 6 months LEL operation. Optional external powered board -10-30VDC external power input (no battery)
Display	Display 64 x 128 pixel LCD with 30-minute trend, bargraph and engineering units display.
Input	Standard battery powered version -Single or dual channel input from toxic or infrared hydrocarbon combustible sensors Optional external powered board -Single or dual channel input from toxic or infrared hydrocarbon combustible sensors or 0-10V or 4-20mA analog input.
Standard Output	License-free 900Mhz or 2.4Ghz frequency-hopping spread spectrum (FHSS) wireless modem with data encryption 900MHz power adjustable from 10mW to 1.0 watt/0-30dBm 2.4GHz output set at 125mW/21dB, [Output power can be factory adjusted to less than 100 mW upon request.]
Receiver Sensitivity	900 MHz -100dBm typical 2.4 GHz -98dBm typical
Temp	-10°C to +60°C (see sensor limitations)
Housing	Aluminum with epoxy paint standard; Optional #316 stainless steel, Optional UI94 Poly Black Plastic Enclosure
Dimensions	[Aluminum] Width 5.4" (137 mm), Height 8" (203 mm), Depth 5" (127 mm) Shipping weight 6.5 pounds (3 kg) [Poly] Width 5" (127 mm), Height 7" (178 mm), Depth 4" (101 mm) Shipping weight 3 pounds (2 kg)
Approvals	FCC 15.247 & Industry Canada (IC), CSA Certified for Class 1, Division 2 hazardous locations
Performance	2.4GHz frequency range: 2400 - 2483.5 MHz with 42 hops 2.4GHz indoor/urban range: Up to 1500 feet with 7dBi collinear antenna 2.4GHz outdoor RF LOS range: Up to two miles with high-gain antenna 900MHz frequency range: 902 - 928 MHz with 50 hops 900MHz indoor/urban range: Up to 3000 feet with 2dBi dipole antenna 900MHz outdoor RF LOS range: Up to five miles with high-gain antenna
Warranty	5 year limited warranty For sensor warranty see sensor specifications sheet.

Single Sensor Aluminum Housing



ALL DIMENSIONS IN INCHES

Dual Sensor Aluminum Housing



RCS
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"The Art of Gas Detection"

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