

# SenSmart 3000 Series

"The Art of Gas Detection" - Built with our Proven ST-48 Transmitter



Aluminum "AL" XP model



Non-metallic Poly "PY" Div 2 model



Aluminum "AL" XP model with Dual Sensor

The **SenSmart 3000** 3-wire gas detector is built with our reliable 'ST-48' smart transmitter, which provides the cutting-edge technology in toxic and combustible gas detection. It's a universal, easy to use detector that supports dual smart sensor with different types, including electrochemical, Catalytic Bead, Infrared and Photoionization sensors.

## FEATURES HIGHLIGHT

- CSA Certified for Class I, Div 1 Locations
- Graphic LCD display shows values, units, trend graph, alarm levels
- Backlit display for better visibility in low light conditions
- LED indication of alarm status
- Dual smart sensor capable
- Supports both local and remote sensors for easy installation
- Non-intrusive, prompted calibration with programmable cal-gas
- Power-up and post-calibration delays eliminate false alarms
- Options for 3x 5A alarm contacts, isolated 4-20mA and MODBUS®
- Auto-recognition of Smart Sensors uploads calibration data and more
- Real-time clock and calendar logs alarms, calibration and power-up events
- Security mode allows locking of critical parameters
- Fault supervision circuitry detects failed sensor and transmits warning
- Setup in hazardous area requires only simple magnetic wand
- Optional HART board available

<b>Power Supply</b>	Power Input 10-30VDC at < 6.5 watts with relay board (all relay energized)
<b>Display</b>	Backlit 64 x 128 pixel LCD with 30-minute trend, bar graph and engineering units display
<b>Channel One Input</b>	Electrochemical toxic and oxygen sensors / 4-20ma current input
<b>Channel Two Input</b>	Catalytic Bead, Infrared and Photoionization sensor / 4-20mA current input
<b>Standard Output</b>	Dual 3-wire 4-20mA current source. Max loop R is 750 ohms with nominal 24VDC power supply
<b>Optional Outputs</b>	Dual isolated 4-20mA current source. Max loop Resistance is 650 ohms with nominal 24VDC; (form C , rated 5 amp at 30 VDC or 240 ~VAC RESISTIVE) MODBUS slave ports; 3x programmable alarm relays with 5A capability
<b>Temp</b>	Electronics -40°C to +60°C
<b>Housing</b>	Aluminum with epoxy paint standard; Optional #316 stainless steel, Optional UI94 Poly Black Plastic Enclosure
<b>Dimensions</b>	(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)
<b>CSA Approvals</b>	<b>Cast Aluminum Enclosure:</b> Explosion-Proof Cl 1 Div 1 Gr ABCD with 10-0247 (includes sinter) Non-Incendive Cl 1 Div 2 Gr ABCD with 10-0247 or 10-0247IS <b>UL94 Poly Black Plastic Enclosure:</b> Non-Incendive Cl 1 Div 2 Gr ABCD
<b>Warranty</b>	5 year limited warranty For sensor warranty see sensor specifications sheet.

