

# SenSmart 6000 Series

"The Art of Gas Detection" - Built with our Proven ST-44 Transmitter



Aluminum "AL" XP model



Non-metallic Poly "PY" model

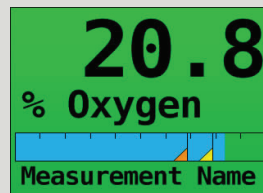


Aluminum "AL" XP model with Dual Sensor

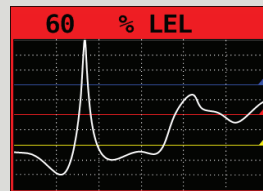
The State-of-the-art **SenSmart 6000** gas detector is built with our proven 'ST-44' transmitter. This versatile unit has a bright, vivid color display and embedded Ethernet with Webserver and Modbus TCP. The high performance, universal gas detector supports dual smart sensors with different type like Electrochemical, Catalytic Bead, Infrared and Photoionization sensors.

## FEATURES HIGHLIGHT:

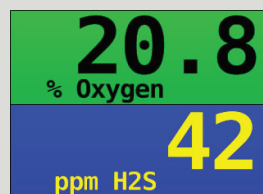
- CSA Certified for Class 1, Div 1 locations
- Vivid QVGA Backlit Color TFT Display
- Display Color Changes with Alarm Status
- Standard Ethernet Port with Web Server and Modbus TCP
- Dual Smart Sensor Capable
- Sensor Life Indication
- Remote Sensor Mount up to 4000'
- Non-intrusive One-Man Calibration
- Temperature Compensation
- Two RS-485 Ports for Modbus
- 3 Programmable Relays and Fault Relay Available
- Heated elements available for low temperature



**Bar Graph Screen**  
Displays channel's current value as bar graph and numerical value. Includes channel ID, and engineering units. Background changes color and flashes on alarm. Flashing color becomes steady after Acknowledge.



**30-Minute Trend Screen**  
View channels most recent 30-minute trend. Top data fields include current reading, and engineering units. Background changes color and flashes on alarm. Flashing color becomes steady after Acknowledge.



**Dual Channel Split Screen**  
In two channel mode, view both channels, current reading and engineering units simultaneously. Background changes color and flashes on alarm. Flashing color becomes steady after Acknowledge.

## SPECIFICATIONS

<b>Power Supply</b>	10-30VDC at < 10 watts with relay board (all relays energized)
<b>Display</b>	QVGA backlit color TFT 320x240
<b>Channel One Input</b>	Electrochemical, Catalytic Bead, Infrared, Photoionization Detector sensor
<b>Channel Two Input (Model 6900 Only)</b>	Electrochemical, Infrared , sensor
<b>Standard Output</b>	Dual 3-wire 4-20mA current source. Max loop Resistance 600 ohms @ 24VDC, Ethernet RJ-45 with built-in web Server, Modbus/TCP
<b>Optional Outputs</b>	Three programmable relays plus dedicated FAULT relay (form C , rated 5 amp at 30 VDC or 240 ~VAC RESISTIVE) Dual programmable master / slave MODBUS RS-485 serial interfaces
<b>Environmental</b>	Operating range -40°C to +60°C Sensors include sensor heater for low temperature operation Relative humidity to 95% for IR; to 85% noncondensing when using electrochemical sensors
<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>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 IP66
<b>Warranty</b>	5 year limited warranty For sensor warranty see sensor specifications sheet. .

