

# SenSmart 3500/6500

Benzene & VOC's PID Detectors

"The Art of Gas Detection"



SenSmart 3500 AL



SenSmart 3500 PY



SenSmart 6500 AL



SenSmart 6500 PY

Volatile Organic Compounds (VOCs) are potentially dangerous compounds, created by industrial and natural processes, which vaporize under normal atmospheric conditions. Benzene is an especially dangerous and widely used VOC requiring detection in many industries. A PID (Photoionization Detector) is the easiest and most efficient way to detect Benzene and other VOC levels. Although not as selective as much higher cost analyzers, the R. C. Systems Inc. **SenSmart 3500** and **SenSmart 6500** fixed PID gas detectors provide real time PPM readings to enable users to react swiftly to potential threats without waiting for a time-weighted average (TWA). Also ask about our process cell and sample systems.

## FEATURES HIGHLIGHT

- Aluminum Models CSA Certified for Class I, Div 1
- Poly Models CSA certified for Class I, Div 2
- Backlit display for better visibility in low light conditions
- On Screen Alarm status Indications
- DUAL 3900 / 6900 models add second toxic or oxygen detector
- Supports both local and remote sensors (6500)
- Calibration is Non-intrusive and prompted with programmable Span value
- Power-up and post-calibration delays eliminate false alarms
- Options for 5A alarm contacts 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 magnetic wand through sealed enclosure

## SPECIFICATIONS

<b>Power Supply</b>	10-30VDC at < 10 watts with relay board (all relays energized)
<b>Display</b>	Graphic Displays (6500 is color QVGA)
<b>Standard Output</b>	Dual 3-wire 4-20mA current source
<b>Ethernet</b>	(6500) RJ- 45 with built-in web Server; Modbus/TCP
<b>Optional Outputs</b>	Programmable relays with MODBUS RS-485 serial interface
<b>Enviornmental</b>	Operating range -40°C to +60°C (Sensors include heater for low temp operation) Relative humidity to 95% for IR; to 85% noncondensing when using electrochemical sensors
<b>Housings</b>	Aluminum with epoxy paint standard; Optional #316 stainless steel, Optional UI94 Poly Black Plastic Enclosure
<b>Dimensions</b>	(Aluminum) Width 5.4" Height 8", Depth 5" Shipping weight: 6.5 pounds (Poly) Width 5", Height 7", Depth 4" Shipping weight 3 pounds
<b>Approvals</b>	(Aluminum) CSA Cl. I, Div1, Gr. A,B,C,D; (Poly) CSA Cl. I, Div2, Gr. A,B,C,D

