

# SenSmart 1100 Series

"The Art of Gas Detection" - Built with our Proven ST-49 Transmitter



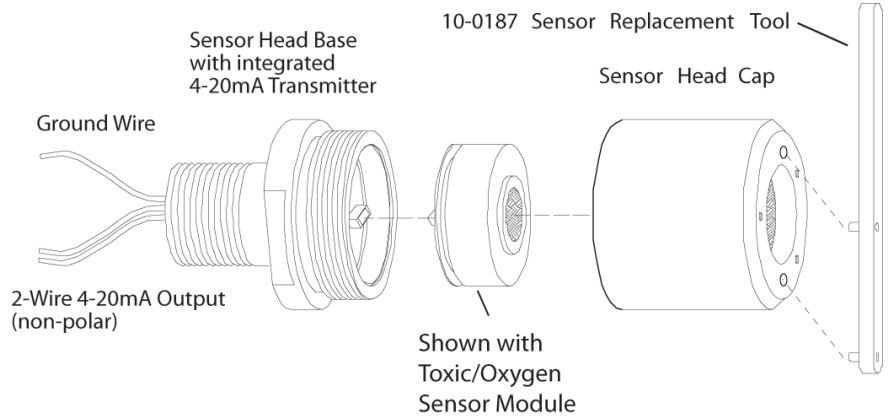
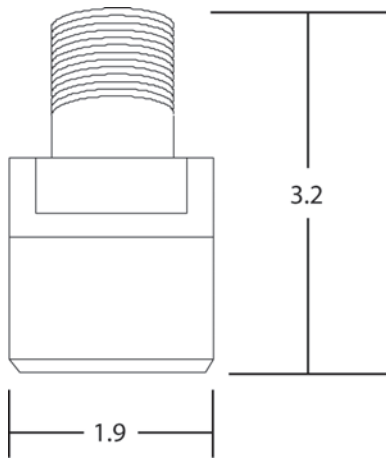
Shown with Aluminum Enclosure

The RC Systems Model **SenSmart 1100** is a 2-wire 4-20mA Sensor Transmitter. It accepts low power toxic or oxygen electrochemical sensor modules and functions in a 2-wire 4-20mA "sink" mode to transmit gas values to an appropriate receiver device.

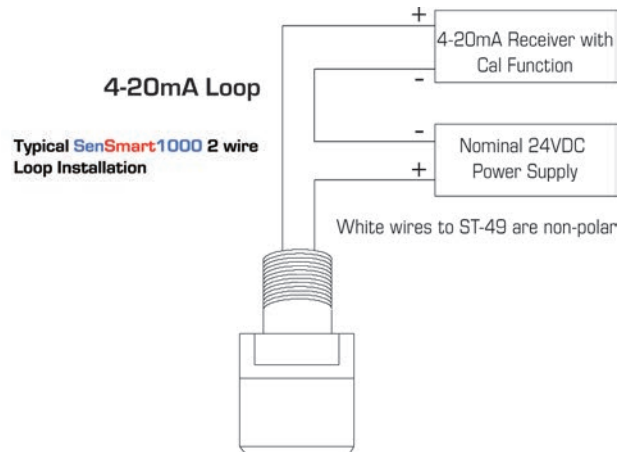
## FEATURES HIGHLIGHT

- Field replaceable toxic/oxygen sensor module
- Range and target gas configured on sensor module
- Improves system noise immunity because low level sensor signals are protected within the stainless steel sensor head
- Industry standard 4-20mA signal may be transmitted thousands of feet on 2-wires
- Suitable for Division 1 and 2 hazardous areas. May be installed as an intrinsically safe device with a barrier, or, explosion-proof for NEMA 7 installations
- Missing sensor forces <2mA FAULT indication
- Designed for use with our 1, 2, 4, 16 or 64 channel Controllers. Calibration is not possible at the ST-49 and may only be performed at the 4-20mA receiver
- 2-wire 4-20mA signal is nonpolar with protective "steering diode" interface
- Standard "Fault Supervision" circuitry continuously monitors for failed sensor. 4-20mA output transmits <2mA during failures

<b>Power Supply</b>	9-36 VDC @ 25mA
<b>Accuracy</b>	+/- 5% of full scale range (typical)
<b>Standard Output</b>	Standard 2-wire 4-20mA current sink . Max loop Resistance is 600 ohms with nominal 24VDC power supply
<b>Temp</b>	Less than .1% per degree C over ambient temperature range
<b>Housing</b>	316 Stainless or aluminum enclosure suitable for Class 1 Groups A,B,C,D; Class 2, Groups E,F,G
<b>Approval</b>	Division 1 and 2 Group A,B,C,D Exia. Suitable for Explosion Proof and Intrinsically Safe installations



ALL DIMENSIONS IN INCHES



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