#### LIFE SCIENCES



#### PRESSURE TEMPERATURE LEVEL INSTRUMENTATION FLOW ANALYTICAL

### **"SX" Level Transmitter**

# New technology proven to eliminate long-term signal drift — provides substantial savings in all inventory applications!

#### "Driftless" transmitters mean:

- Fewer tune-ups
- No more overflows
- More reliable inventories

#### **Special Features Include:**

- Quick Disconnect Receptacles with optional Field Wiring Connectors
- One-Touch Field Calibration

Anderson Instrument Company introduces its latest innovation for measuring liquid level in sanitary applications the "SX" Level Transmitter. This line of sensors provide superior signal stability. The field tested performance of the "SX" transmitter means the elimination of expensive, repetitive re-calibrations along with protection against costly overflow/run-dry situations that can occur with less stable level transmitters. The 0.2% accuracy experienced at installation can now be expected a year later!

We've also incorporated a new field calibration feature that provides "one-touch" sensor zeroing as well as simple range calibration, without the need for special tools and fixtures, pressure sources, or removal of the transmitter from the tank. This translates to real cost savings during installation or when adjusting for new application requirements.

Of course the "SX" Transmitter

is available in all standard fitting and range combinations you'll need to fit any sanitary tank application. All variations are CE compliant, meet Intrinsically Safe requirements, 3-A Sanitary Standards, and are backed by a 2-year warranty.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.andinst.com, or contact your local Authorized Anderson Distributor.



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# **SX** Specifications

#### Performance

Level Measurement Ranges: (Factory calibrated at no charge and easily field calibrated within the parameters listed below)

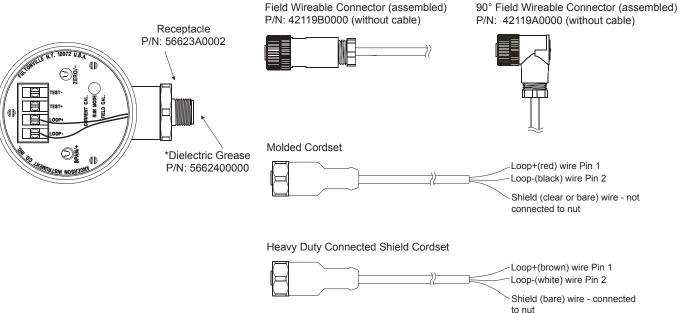
easily field calibrated within the parameters listed below)				with field wiring connector.
	Minimum	Maximum (URL*) Proof Pressure		Anderson molded cord set
SX5 Sei		· · · · · · · · · · · · · · · · · · ·		recommended for best EMI and water
SX6 Sei		w.c. 0-415 "w.c. 30 psig		protection.
		w.c. 0-830 " w.c. 60 psig	Receptacle:	5-pin M12 Quick Disconnect
SX8 Sei		w.c. 0-1385 "w.c. 100 psig		Receptacle
Ranges to accomodate vacuum available on request			Materials/Construction	
			Housing Material:	304 and 316 stainless steel finished to
Calibrated Accuracy: (includes repeatability, hysteresis, and linearity)				32R max.
		± 0.20% of URL at stable calibration	Wetted Parts:	316L stainless steel electropolished to
		temperature		8R <sub>a</sub> max.
Repeatability:		±0.075% of URL	Gasket:	Anderson Flush Gasket USP VI
Hysteresis:		±0.075% of URL	Ratings:	NEMA 4X, IP66, IP67
Linearity (BFSL):***		±0.05% of URL		
Calibration Stability:		Within ±0.2% of URL for one (1) year		
		minimum	Hazardous Locations:	Intrinsically safe for use in Class 1,
Resolution:		Infinite		Div. 1, Groups A-D
Process Temperature Limits:		-18°C to 130°C (0°F to 265°F)	Electromagnetic Compatibility	
Ambient Temperature Limits:		-9°C to 49°C (15°F to 120°F)	(EMC):	CE Compliant
Compensated Temp. Range:		-18°C to 121°C (0°F to 250°F)	Standards:	3-A compliant; Third party verified in
(process)				accordance with standard 74-04
Temperature Stability:		±0.2% of Upper Range Limit		
		(URL) per 5.5°C (10°F)		Designed and manufactured to sound
	<b>.</b> .			engineering practices in accordance with
Over-Range Capacity:		2 times the URL (see table above)		Article 3.3 of the PED 97/23/EC.
Response Time:		526 mSec		004 554 00
Power Signal			CSA B51-03	
Loop Power (excitation): 12-40 vdc				
Output:		4-20mA dc, 2-wire. Internal test points		
Leen Desiste		supplied	Warranty:	All units are convered by a two (2) year warranty against defects in material
Loop Resistance:		1550 ohms (max.) at 40 vdc, 750 ohms (max) at 24 vdc		and workmanship when installed and
		750 Onins (max) at 24 vuc		maintained according to the instruction
				manual provided.
				manaa providea.

Cable Recommended:

- URL = Upper Range Limit
- \*\* w.c. = water column

\*\*\* BFSL = Best Fit Straight Line

**Electrical Connections and Wiring Options** 



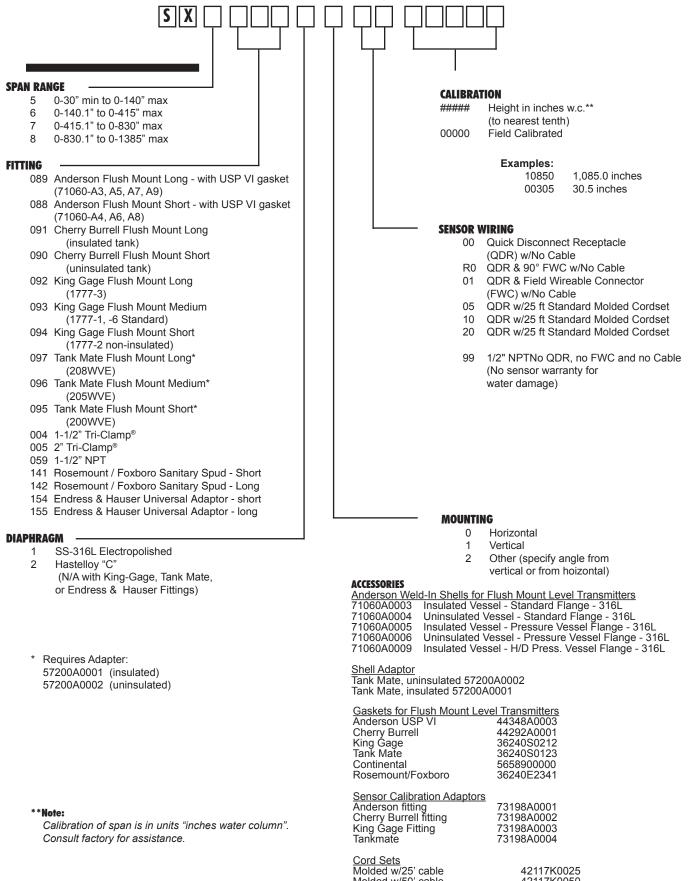
0.17-0.26" Cable Sheath Diameter

2 conductor, stranded, 18-24 AWG,

0.17 - 0.26" Cable Sheath OD for use

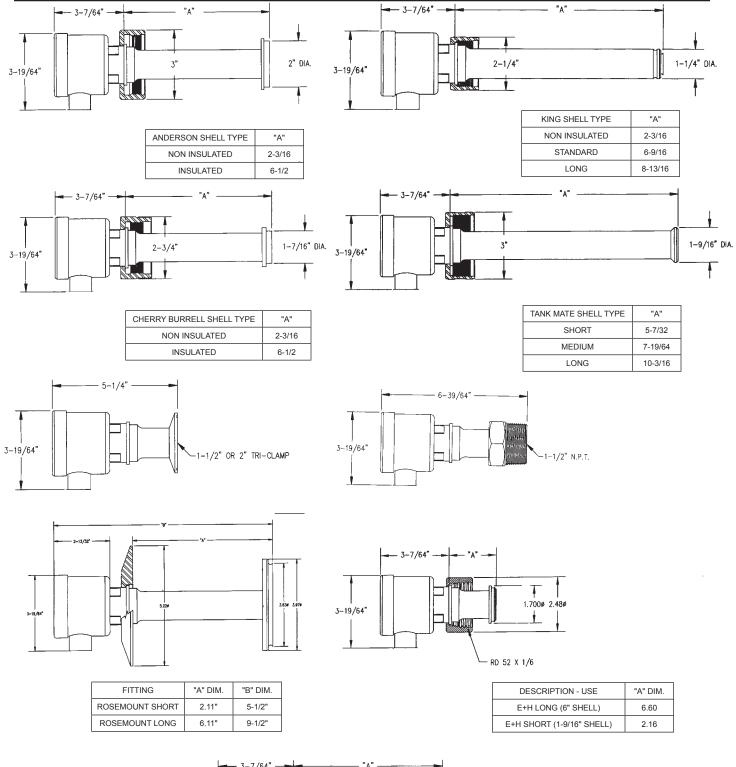
shielded with ground

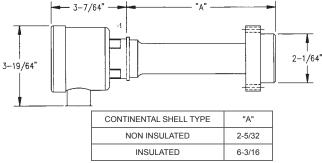
### How to Order



Molded w/50' cable Molded w/100' cable Heavy Duty Shielded w/25' cable Heavy Duty Shielded w/50' cable Heavy Duty Shielded w/100' cable Heavy Duty Shielded w/100' cable Heavy Duty Shielded w/100' cable

## **Sensor Fittings and Dimensions**





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