



AV930 Slim Submersible Liquid Level Sensor



Overview

The AV930 slim size submersible liquid level sensor is the cost effective solution for level monitoring. It offers the best price performance ratio in the industry by utilizing the latest in MEMs piezo-resistive technology using corrosion resistance 316L stainless steel. From 0-3 to 0-150 PSI pressure / level measurement, this submersible pressure transducer is an excellent solution to level monitoring for indoor and outdoor applications.

Benefits

- * No Internal O-ring
- * Wide Operating Temperature Range
- * Ranges up to 100 PSI
- * Low Static and Thermal Errors
- * Unparalleled Price and Performance
- * Compatible with Wide Range of Liquids
- * EMI/RFI Protection
- * Rugged Design to Survive in Harsh Environments
- * High Strength Stainless Steel Construction

Applications

- * Food Tanks
- * Viscous Media Tanks
- * Heavy Oil
- * Lift Stations -
Waste water, Storm Water,
Industrial Applications



Performance @ 25°C (77°F)

Accuracy*	+/- 0.25% BFS, typ.
Stability (1 year)	+/- 0.25% FS, typ
Pressure Range	100PSI Maximum
Over range Protection	2X Rated Pressure
Burst Pressure	5X or 1,250psi (whichever is less)
Pressure Cycle	>50 Million

Output	Voltage	4-20mA	0.5-4.5 Ratiometric	10mV/V**
Excitation	10-30VDC		5VDC typ.	
Zero Offset	<±0.5% of FS, typ.		<±2mV	
Span Tolerance	<±0.5% of FS, typ.		<±2mV	

Reverse Polarity Protection Yes

* Accuracy includes non-linearity, hysteresis & non-repeatability
** 10VDC, Maximum

Physical Description

Wetted Material	316L
Weight	150g
Electrical Connection	Cable

Environmental Data

Temperature	
Operating	-40 to 85°C (-40 to 185°F)
Storage	-40 to 100°C (-40 to 212°F)

Thermal Limits	
Compensated Range	0 to 55°C (30 to 130°F)
TC Zero	< ±1% of FS
TC Span	< ±1% of FS

Other	
Shock	100G, 11msec, 1/2 sine
Vibration	10G peak, 20 to 20000HZ
EMI/RFI Protection	YES
Rating	IP68

Ordering Method

For Example:-

AV930 B 0D1 G N P 0 Q 000

1 2 3 4 5 6 7 8 9

1 Series	Code	Description
	930	

2 Pressure Unit	Code	Description
	A	kPa
	B	bar
	H	Inches H2O
P	PSI	

3 Pressure Range	000	Standard Pressure Range (3-Code)	
	Example	0d1	0.1
		2d5	2.5
		018	18
*	d	Decimal Place	

4 Pressure Type	Code	Description
	G	Gauge

5 Header Thread	N	Nose Cone
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6 Wetted Material	L	316-SS
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7 Output	0	0-5V
	1	1-5V
	2	0-10V
	3	0.5-4.5V
	4	4-20mA
	8	0.5-4.5V Ratiometric
9	10mV/V**	

8 Electrical Connection	Q	1m Cable
	R	2m Cable
	S	3m Cable
	W	20ft. cable
	X	Other Cable Length / Special Connection

9 Options Code	Code	Description
	000	No Special Options (3-Digit Code)

** 10VDC, Maximum

Dimensional Data

