

MODEL: ASI 9300 *Submersible Pressure Sensor for IIOT Applications*



ASI 9300 series submersible level sensors offer the best price performance ratio in the industry by utilizing the latest in MEMs piezo-resistive technology using corrosion resistance 316L stainless steel (Hastelloy C276 optional). From 0-1 to 0-100PSI pressure / level measurement, this submersible pressure transducer is an excellent solution to level monitoring for indoor and outdoor applications.

APPLICATIONS:

- Earthened & Concrete Dams
- Liquid Level Tanks
- Gasoline & Diesel Fuel Tanks
- Waste Water Canals
- Ground Water Level Measurement

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
- High Strength Stainless Steel Construction
- Rugged Design to Survive in Harsh Environments

PERFORMANCE @ 25°C (77°F)

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

Output	Excitation	Zero Offset	Span Tolerance
I ² C	3VDC typ.	<±1% of FS	<±1.5% of FS
0.25-2.5V Ratiometric			
0.5-4.5V Ratiometric	5VDC typ.		

Reverse Polarity Protection Yes

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

PHYSICAL DESCRIPTION

Wetted Material	316L Stainless Steel (Hastelloy C276 diaphragm optional)
Weight	200g
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	< ±1.5% of FS
TC Span	< ±1.5% of FS

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

ORDERING INFORMATION

ASI 9300 **G** **A** **00003** **P** **1** **M** **1** **000**

Series Type

Pressure Reference

G=Gauge Pressure

Process Connection

L=Cone

Y=Steel Cage

Pressure Measurement

Insert pressure code from chart

Pressure Unit

P=PSI

H=inH₂O

Outputs

1=0.5-4.5V Ratiometric

Q=0.5-2.5V Ratiometric

S=I²C

Electrical

L=Conduit, 2ft.

M=Conduit, 4ft.

N=Conduit, 6ft.

X=Special

Wetted Material

1=316L

4=Hastelloy C276

Options

000=No Options

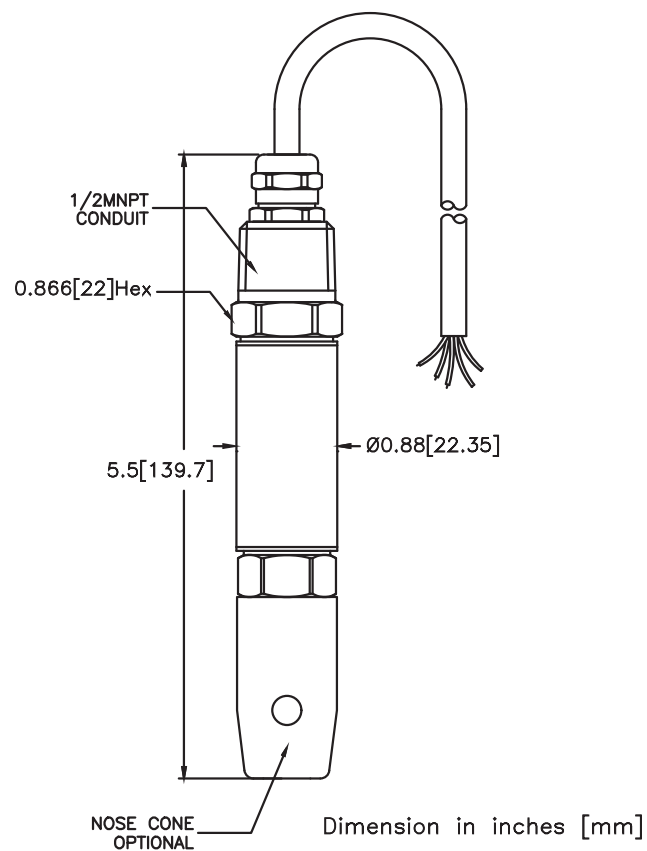
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Servoflo Corporation
75 Allen Street
Lexington, MA 02421
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PRESSURE RANGES

PSI Measurement	Pressure Code
0-3	00003
0-5	00005
0-10	00010
0-15	00015
0-25	00020
0-50	00050
0-100	000100

All Pressure between 0 to 100PSI available.

DIMENSIONAL DRAWING



All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact ASI 9300 for assistance with your application.

Standard configurations shown.
Please consult factory for other options.