

a Spectre Gorp

Model 881 Submersible Transducer



- Flush diaphragm transducer with debris avoidance stand-off
- Outputs: 4-20mA, 0-5 Vdc, 0-10 Vdc and mV/V
- Standard accuracy of 0.5% BFSL (optional accuracies to 0.1%)
- Built-in, lightning and surge protection
- Unparalleled long-term stability
- ½" MNPT conduit connection supplied as standard
- Hytrel jacketed cable
- Pressure ranges from 0-1 PSIG to 0-100 PSIG

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Performance @ 25℃ (77℉)

Accuracy: <±0.5% BFSL to 0.1% BFSL Stability (2 year): <±0.05% FS, typical Over pressure protection: 2X Rated Pressure

Burst Pressure: 2.5X minimum

Pressure Cycles: >50 Million Temperature range: 1 to 40℃ (33 to 104℃)

Temperature Accuracy: ±1℃ (±1℉)

Environmental Data

Storage temp: -50 to +125 $^{\circ}$ C (-60 to +250 $^{\circ}$ F) Compensated range: 1 to 30 $^{\circ}$ C (33 to 86 $^{\circ}$ F)

Temp comp Zero: <±1.0% FS Temp comp Span: <±1.0% FS

Electrical Data Excitation:

9-36 Vdc (4-20mA and 0-5 V output)

13-36 Vdc (0-10 V output)

(option C29: max 29 Vdc excitation)

5-10 Vdc (mV/V output)

Current consumption: <5mA Zero offset: <±0.25% of FS Span tolerance: <±1.0% of FS Output load: >10K Ohm

Physical data

Sensor wetted material: 316SS

Body material: 316SS

Pressure connection: Flush diaphragm transducer with

debris stand-off

Electrical Connection: Vented and non-vented cable

(submersible disconnects on

application)



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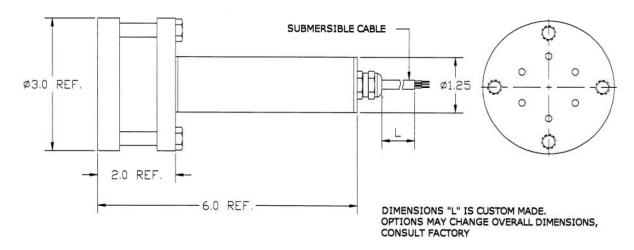
Ordering guide – Example: 881-A-(0-15 PSIG)-2-D-5-SCV

Α	(0-15 PSIG)	2	D	1	SCV
Pressure Port	Range	Units	Output	1	Connector
A=Debris stand-off	Specify pressure	1=Absolute	D=4-20mA	5=0.5% BFSL	SCV= Vented cable**
	range in feet	2=Gauge	E=0-5VDC	2=0.2% BFSL	SCN=Non-vented
	(meters) water,	(vented cable)	F=0-10VDC	1=0.1% BFSL	Cable**
	PSI or BAR	4=Sealed	M=mV/V		ECX=Other
		6=Other			
					(Units supplied with
					½" MNPT conduit
					connections as
					standard)

^{**} Standard cable jacket is Hytrel. Othersl available on request – contact factory.

Dimensions:

(For reference only. Actual dimensions and configuration may vary. Standard configuration includes ½" MNPT conduit connection)





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