

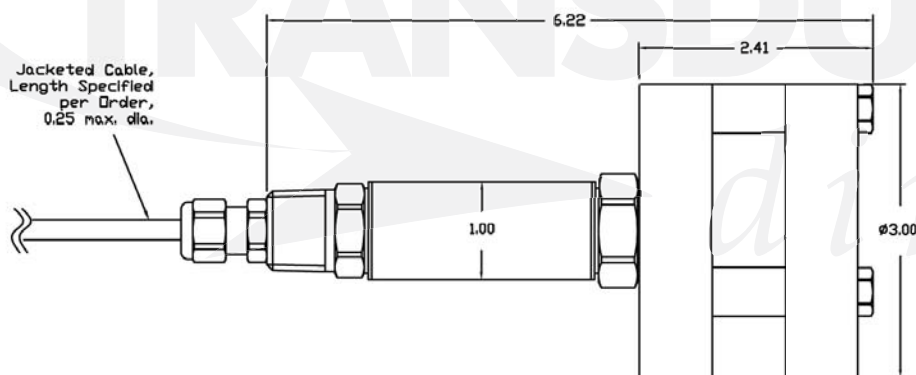
## Introducing the TDA85 series Submersible Pressure Transducer with Debris Standoff



### FEATURES

- Flush diaphragm transducer with debris avoidance standoff
- Industry-standard 4-20mA output
- Pressure ranges 0-5, 0-7.5, 0-10 and 0-15 PSIG
- Accuracy of 0.25%
- Long-term stability
- Engraved 304SS housing with 316SS diaphragm
- Lightning and surge protection
- EMI/RFI and reverse polarity protection
- Kynar PVDF cable
- Compatible with wide range of chemicals
- Rugged design for harsh waste water environments
- Suitable for waste, salt, brackish, or fresh water systems

### DIMENSIONS



Dimensions are for reference only.

### WIRING

Conduit with Cable			
Green	Black	Red	White
N/C	-V Supply	+V Supply	N/C

## SPECIFICATIONS

### Performance @ 25°C (77°F)

Accuracy	±0.25% BFSL (includes non-linearity, hysteresis & non-repeatability)
Stability	<±0.250% FS/year, typical
Over pressure protection	2X Rated Pressure
Burst Pressure	5X minimum or 1,250 PSI (whichever is less)
Pressure Cycles	>50 Million

### Environmental Data

Operating temp	-40 to +85°C (-40 to +185°F)
Storage temp	-40 to +100°C (-40 to +212°F)
Compensated range	0 to 55°C (+32 to +130°F)
TC Zero	<± 1.5% FS
TC Span	<± 1.5% FS
Shock	100G, 11msec, 1/2 sine
Vibration	10G peak, 20 to 2000 Hz
EMI/RFI Protection	Yes
Rating	IP-68

### Electrical Data

Excitation	10-28 Vdc for 4-20mA
Zero offset	<±1.0% of FS
Span tolerance	<±2.0% of FS
Output Load	0-800 Ohms@ 10-28VDC
Reverse Polarity Protection	Yes

### Physical data

Sensor wetted material	316SS
Body material	304SS
Cable pull strength	200 lb.
Pressure connection	Flush diaphragm with debris stand-off
Electrical Connection	Molded, vented submersible Kynar PVDF cable

## ORDERING

Series	Output	Pressure Type	Pressure Range	Pressure Connection	Electrical Connection	Cable Length	Accuracy
TDA85	B	G	0050	30	C	050	2
TDA85	B= 4-20mA	G = Gauge	0050= 0-5 psi 0075= 0-7.5 psi 0100= 0-10 psi 0150= 0-15 psi	30= Debris Avoidance Stand-Off	C= Cable	025 = 25 ft (7.62 m) 050 = 50 ft (15.24 m) 075 = 75 ft (22.86 m) 100 = 100 ft (30.48 m)	2= 0.25%

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\*\*= Consult factory for further options.