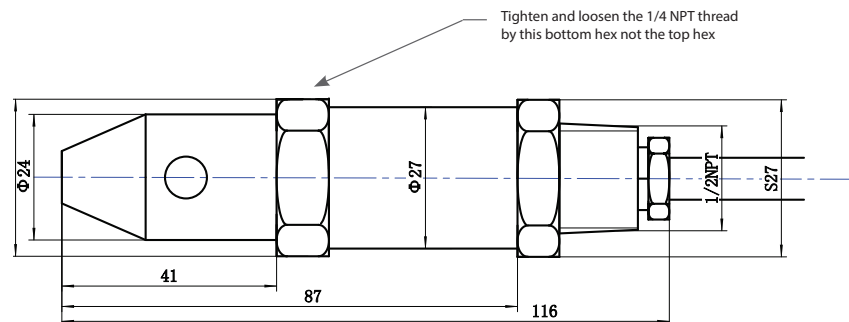


SPECIAL FEATURES

- Advanced piezoresistance technology
- All stainless steel construction
- Industry-standard 4-20mA (2 wire) output
- Pressure ranges 0-2.5, 0-10 and 0-15 PSIG (custom ranges available)
- Accuracy of 0.5%
- Long-term stability
- Nose cone or 1/4 NPT thread available



DIMENSIONS



Dimensions are for reference only.

INSTALLATION & WIRING

Output: 4-20mA

Function	Color
Supply +	Green
Output +	White

SPECIFICATIONS

Performance @ 25°C (77°F)

Accuracy	± 0.5% FS (includes non-linearity, hysteresis and non-repeatability)
Stability	<±0.2% FS/year, typical
Thermal Error	1% FS
Over pressure protection	1.5X Rated Pressure
Burst Pressure	3X Rated Pressure
Pressure Cycles	>4 Million

Environmental Data

Operating temp	-20 to +80°C (-40 to +176°F)
Compensated range	-10 to 75°C (+14 to +167°F)

Electrical Data

Excitation	12-36 Vdc
Loop resistance @ 24 Vdc:	≤ 750 Ohm
Zero offset	<±1.0% of FS
Span tolerance	<±1.0% of FS

Physical data

Diaphragm material	316SS
Sealing material	Fluoro Rubber
Body material	316SS
Cable pull strength	300 lb.
Pressure connection	Bullet-Nose, 1/4" NPT
Electrical Connection	Molded, vented submersible cable (Polyethylene outer jacket)

HOW TO ORDER

Series	Output	Pressure Type	Pressure Range	Pressure Connection	Electrical Connection	Cable Length	Accuracy
SPT-80	A	G	0050	2NM	C	25	3

SPT-80 = 316 stainless steel	A = 4-20mA (2 wire) **	G = Gauge	0025= 0-2.5psi (69" WC) 0050= 0-5 psi (138" WC) 0100= 0-10 psi (277" WC) 0150= 0-15 psi (415" WC) 0200= 0-20 psi (554" WC) 0250= 0-25 psi (692" WC) 0500= 0-50 psi (1380" WC) **	Nose Cone 2NM 1/4" NPT (M) 2BM 1/4" BSP (M) 1TM 1/4" BSPT (M) 1BM 1/8" BSP (M) 1NM 1/8" NPT (M) 1TM 1/8" BSPT (M) 3BM 3/8" BSP (M) 3NM 3/8" NPT (M) 3TM 3/8" BSPT (M) 4BM 1/2" BSP (M) 4NM 1/2" NPT (M) 4MM M20x1.5 (M)	C= Cable	05= 5 meter (16.4 ft) 10= 10 meter (32.8 ft) 15= 15 meter (49.2 ft) 20= 20 meter (65.6 ft) 25= 25 meter (82 ft) 30= 30 meter (98.4) **	3= 0.5% **
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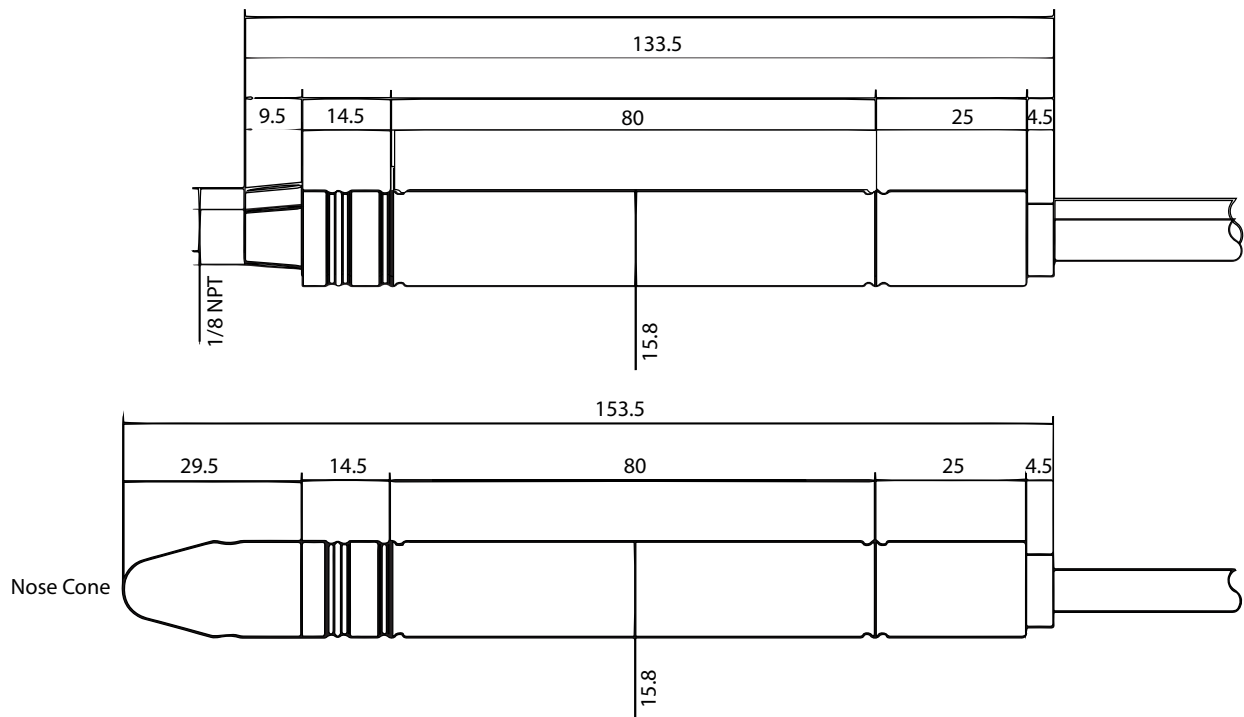
**= Consult factory for further options.

SPECIAL FEATURES

- Advanced piezoresistance technology
- All stainless steel construction
- Available with industry standard 4-20mA
- Pressure ranges from 1.5psi to 140psi (custom ranges available)
- Designed for Bore Hole applications
- Accuracy of 0.5%
- Long-term stability
- Nose cone or 1/8 NPT thread available

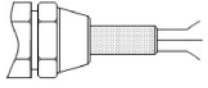


DIMENSIONS



Dimensions are for reference only.

INSTALLATION & WIRING

Signal	Function	Color	Electric connector type
4-20mA	Supply + Output +	Red Black	

SPECIFICATIONS

Performance @ 25°C (77°F)

Accuracy	± 0.5% FS (includes non-linearity, hysteresis and non-repeatability)
Stability	<±0.2% FS/year, typical
Thermal Error	1% FS
Over pressure protection	1.5X Rated Pressure
Burst Pressure	3X Rated Pressure
Pressure Cycles	>4 Million

Environmental Data

Operating temp	-20 to +80°C (-40 to +176°F)
Compensated range	-10 to 75°C (+14 to +167°F)

Electrical Data

Excitation	8-30 VDC
Loop resistance @ 24 Vdc:	≤ 750 Ohm
Zero offset	<±1.0% of FS
Span tolerance	<±1.0% of FS

Physical data

Diaphragm material	316SS
Sealing material	Welded (All Stainless Steel)
Body material	316SS
Cable pull strength	300 lb.
Pressure connection	Bullet-Nose, 1/8" NPT
Electrical Connection	Molded, vented submersible cable (Polyethylene outer jacket)

HOW TO ORDER

Series	Output	Pressure Type	Pressure Range	Pressure Connection	Electrical Connection	Cable Length	Accuracy
SPT-81	A	G	0050	2NM	C	25	3
SPT-81 = All 316 stainless steel	A= 4-20mA (2 wire) **	G = Gauge	0015= 0-1.5psi (41.5"WC) 0050= 0-5 psi (138"WC) 0100= 0-10 psi (277"WC) 0150= 0-15 psi (415"WC) 0200= 0-20 psi (554"WC) 0250= 0-25 psi (692"WC) 0500= 0-50 psi (1380"WC) 1400= 0-140psi (3879"WC) (There is an implied decimal point between the 3rd and 4th number ex. 0025 = 002.5) **	Nose Cone 2NM 1/4" NPT (M) 2BM 1/4" BSP (M) 1TM 1/4" BSPT (M) 1BM 1/8" BSP (M) 1NM 1/8" NPT (M) 1TM 1/8" BSPT (M) 3BM 3/8" BSP (M) 3NM 3/8" NPT (M) 3TM 3/8" BSPT (M) 4BM 1/2" BSP (M) 4NM 1/2" NPT (M) 4MM M20x1.5 (M)	C= Cable	05= 5 meter (16.4 ft) 10= 10 meter (32.8 ft) 15= 15 meter (49.2 ft) 20= 20 meter (65.6 ft) 25= 25 meter (82 ft) 30= 30 meter (98.4) **	3= 0.5% **

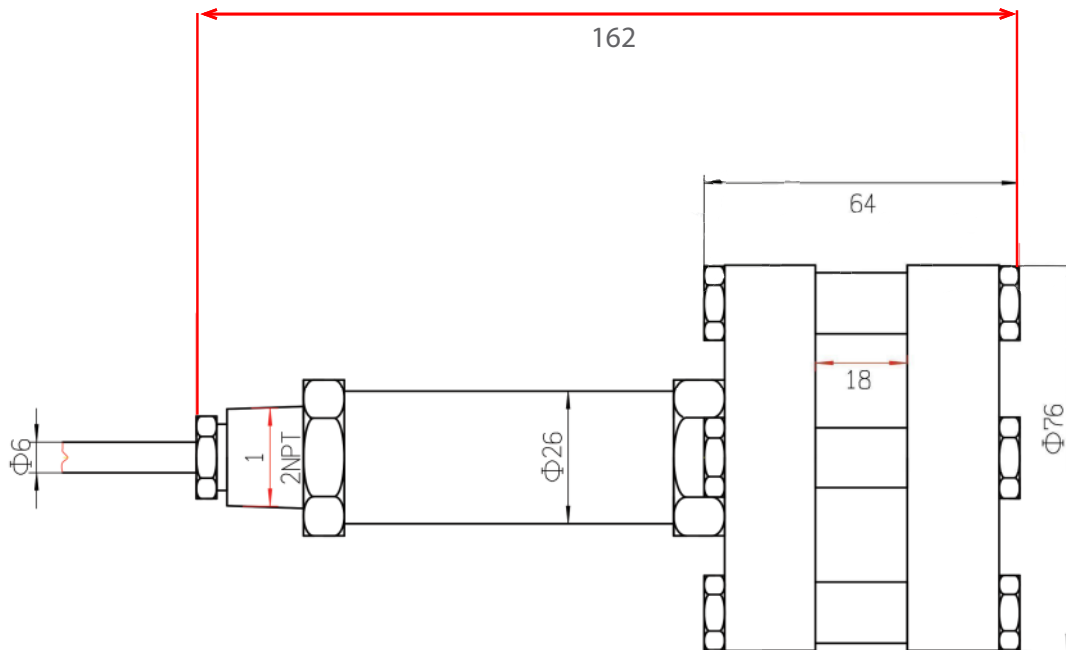
**= Consult factory for further options.

SPECIAL FEATURES

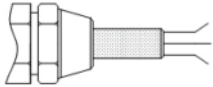
- Flush diaphragm transducer with debris avoidance standoff
- Industry-standard 4-20mA (2 wire) output
- Pressure ranges 0-5, 0-7.5, 0-10 and 0-15 PSIG
- Accuracy of 0.5%
- Long-term stability
- 316SS housing with 316SS diaphragm
- ETFE Cable (Ethylene Tetrafluoroethylene)
- EMI/RFI and reverse polarity protection
- Compatible with wide range of chemicals
- Rugged design for harsh waste water environments
- Suitable for waste, salt, brackish, or fresh water systems



DIMENSIONS



INSTALLATION & WIRING

Signal	Function	Color	Code	Electric connector type
1) 0-5V; 0-10V 0.5-4.5V	Supply V+	Red	1	
	Com	Black	2	
	Output+	White	3	
2) 4-20mA	Supply V +	Red	1	
	Output +	Black	2	

SPECIFICATIONS

Performance @ 25°C (77°F)

Accuracy	± 0.5% FS (includes non-linearity, hysteresis, and non-repeatability) <±0.2%
Stability	FS/year, typical
Thermal Error	1% FS
Over pressure protection	1.5X Rated Pressure
Burst Pressure	3X minimum
Pressure Cycles	>4 Million

Environmental Data

Operating temp	-40 to 85°C (-40 to +185°F)
Compensated range	-10 to 70°C (14 to 158°F)

Electrical Data

Excitation	8-30Vdc
Loop resistance @ 24 Vdc	≤ 800 Ohm
Load resistance @24 Vdc	≥ 3KΩ
Zero offset	<±1.0% of FS
Span tolerance	<±1.0% of FS

Physical data

Diaphragm material	316SS
Body material	316SS
Cable Pull Strength	280lb
Pressure Connection	Flush Diaphragm with Debris Standoff
Electrical Connection	Molded, vented submersible cable (ETFE outer jacket)
Rating	IP68

HOW TO ORDER

Series	Output	Pressure Type	Pressure Range	Pressure Connection	Electrical Connection	Cable Length	Accuracy
SPT-82	A	G	0050	30	C	50	3
SPT-82 = All 316 stainless steel	A= 4-20mA (2 wire)*	G = Gauge	0025= 0-2.5psi (69"WC) 0050= 0-5 psi (138"WC) 0100= 0-10 psi (277"WC) 0150= 0-15 psi (415"WC) 0200= 0-20 psi (554"WC) 0250= 0-25 psi (692"WC) 0500= 0-50 psi (1380"WC) (There is an implied decimal point between the 3rd and 4th number ex. 0025 = 002.5) **	30= Debris Avoidance Standoff	C= Cable	25 = 25 ft (7.62m) 50 = 50 ft (15.24m) 75 = 75ft (22.86m) 100 = 100 ft (30.48m) **	3= 0.5% **

**= Consult factory for further options.