SUBMERSIBLE PRESSURE TRANSMITTER

SPT-81

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

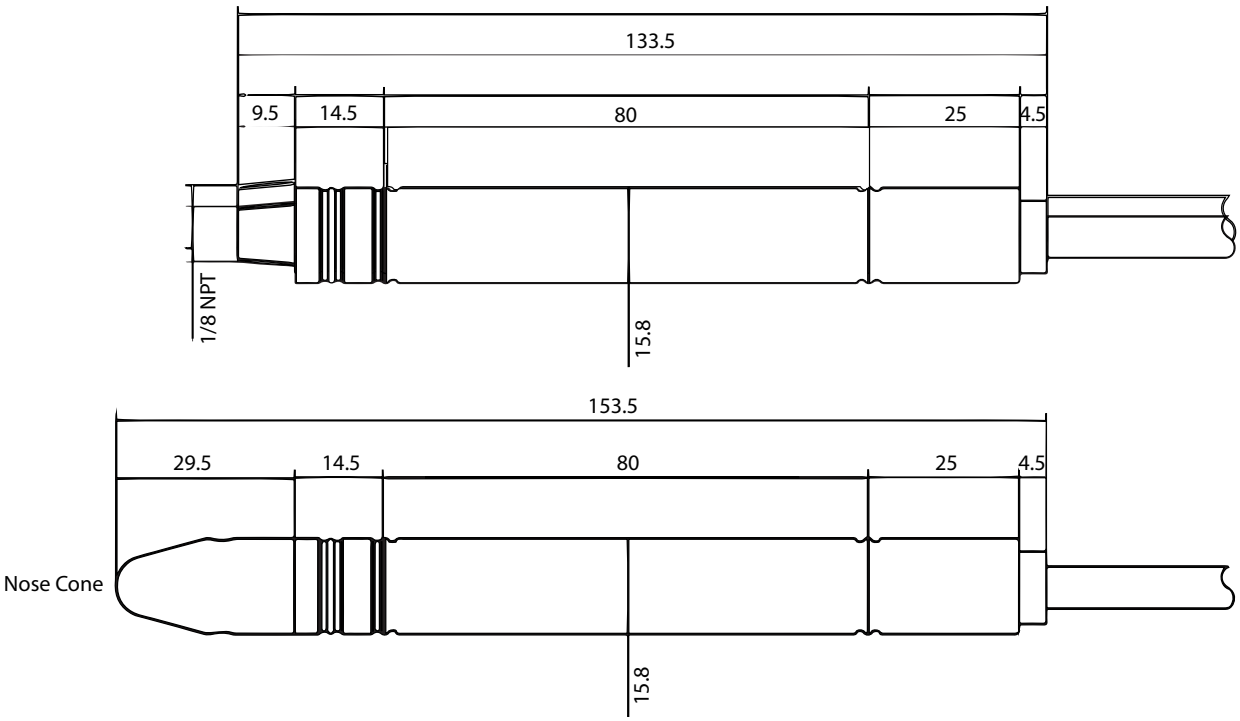


2014/34/EU

Reach

RoHS

DIMENSIONS

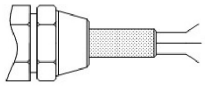


Dimensions are for reference only.

SUBMERSIBLE PRESSURE TRANSMITTER

SPT-81

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.**