

CLARK SOLUTIONS

612 Submersible Pressure Transmitter

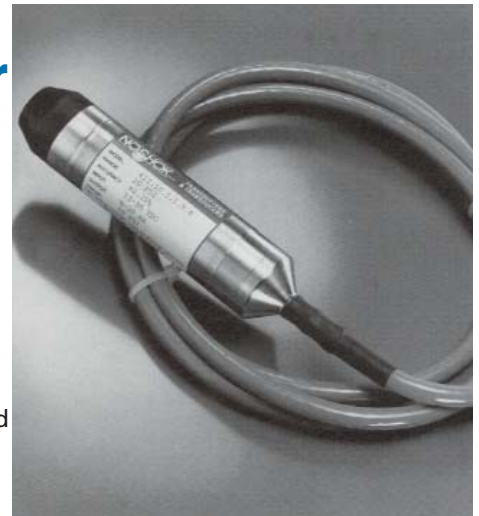
Two-wire, 4-20mA, F.S. ranges from 2-200 PSIG

DESCRIPTION

Series 612 submersible pressure transmitters were designed to provide a previously unequalled level of performance. Utilizing Piezoresistive Sensor Technology, Series 612 Transducers are accurate, shock resistant and extremely stable over long periods of time. Reverse polarity protection, short circuit protection and lightning protection have been engineered in as standard features.

Advanced manufacturing techniques combined with technologically advanced standard features allow the 612 to offer a level of performance previously found on transducers costing hundreds of dollars more.

A final electrical output and calibration inspection is performed on all Transducers and Transmitters after final assembly to insure 100% "out of the box" reliability.



Model 612

SPECIFICATIONS

Output Signal: 4-20 mA, 2 wire; 0-5V and 0-10V, 3 wire
 Pressure Ranges: 0-300 PSI
 Wetted Materials: 316 SS
 Proof Pressure: 2 times range
 Burst pressure: 4 times range
 Accuracy: (BSFL or RSS) (includes repeatability, hysteresis and linearity):
 $\pm 0.25\%$ full scale standard, 0.12% full scale optional
 Repeatability: 0.05% full scale
 Hysteresis: 0.05% full scale
 Input Excitation: 2 wire, 12-30 Vdc unregulated; 3 wire, 14-30Vdc;
 Field Service Unit, 6 Vdc
 Temperature Ranges:
 Compensated: 32 to 122 °F (0 to 50°C)
 Effect: 0.2%/50°F
 Storage: -22 to 175°F (30 to 80°C)
 Medium: -14 to 175°F (-30 to 80°C)

Response Time: Less than 1 ms (between 10-90% full scale)
 Operating life: 100 million cycles
 Adjustment: 5% full scale of zero and span
 Environmental Protection: NEMA 6, IP68
 Electromagnetic Capability: per IEC 801 (EN50081, EN50082):
 Part 2 - ESD Level 2
 Part 3 - Fields (RFI) Level 2
 Part 4 - Burst Level 3
 Part 5- Surge Level 2

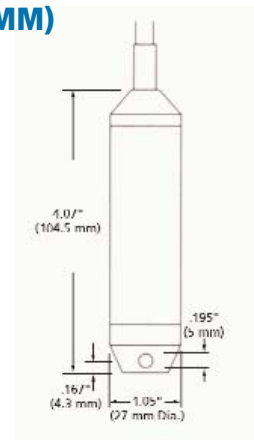
Electrical Protection: Reverse polarity, overvoltage and short circuit protection
 Shock: Less than $\pm 0.05\%$ full scale effect or 100g's @ 20 ms on any axis
 Vibration: Less than 0.01% full scale effect for 20g's @ 0-2000 Hz on any axis
 Transducer Weight: 0.27 lb
 Cable Weight: 0.05 lb/ft

ORDERING INFORMATION

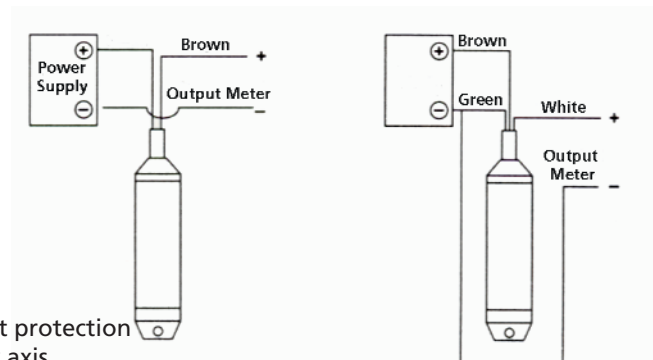
ABCDE (ORDER CABLE SEPARATELY)
EXAMPLE 6121511N

A Model	B Range (PSIG)	C Accuracy	D Output Signal	E End Fitting
612	2=0-2.0	1= $\pm 0.25\%$	1=4-20 mA	N=Nose cone NW=Nose cone with added weight
	3=0-3.0		2=0-5VDC, 3-wire	
	5=0-5.0	2= $\pm 0.12\%$	5=0-10 VDC, 3-wire	
	15=0-15	30=0-30	12=0.5-2.5 VDC, 3-wire	
	60=0-60	100=0-100		
	150=0-150	200=0-200		

DIMENSIONS(MM)



WIRING



Cable (includes integral vent tube for sensor reference to atmosphere)

Model	Cable Length
612Cable-5	5ft
612Cable-15	15ft
612Cable-25	25ft
612Cable-50	50ft
612Cable-100	100ft
612Cable-150	150ft