

JX-P510 Duty Application Analog Output



The JX-P510 series transducer offers a voltage output with wide adjustability to give a 0 to 5, 0 to 10, ±5 or ±10 VDC output. The device may be powered with any voltage in the range of 4.9 to 30 VDC. Zero and span adjustment potentiometers are accessible by removing two sealing screws in the rear of the transducer housing. With the zero position set anywhere within the first 30% of total travel, the span may be adjusted to give a full 0 to 5 or 0 to 10 VDC output with the span set anywhere within the last 20% of travel. Alternatively, the zero position may be set anywhere between 40% and 60% of full travel to give an output of ±5 or ±10 VDC with the span set between 80% to 100% of the longest travel

The JX-P510 series measuring transducer is a low cost device for use in moderate duty applications in hostile wet or dry environments. The chemical resistant thermoplastic case of the transducer provides IP-65 (NEMA

4X) ingress protection for applications where exposure to washdown, rain, oil and other liquids may occur. An integral dust wiper prevents the entry of debris as the wire rope is retracted. The electrical connection methodology includes an optional sealed bulkhead fitting with multi-conductor electrical cable or an optional connector with mating connector. As a convenience, optional electrical connection locations on the transducer body are offered. The wire rope exit direction may be specified at time of order or may be user adjusted at time of installation.



SPECIFICATIONS

GENERAL	
Measurement Range	
Sensing Device	Precision Potentiometer
Resolution	Essentially Infinite
Linearity	
2", 2.8", 3.8", 4.7" Ranges	±1.0% Full Scale
10" to 25" Ranges	±0.5% Full Scale
30" to 80" Ranges	±0.25% Full Scale
Repeatability	±0.02% Full Scale
Construction	
Wire Rope	Ø.018 (0.46 mm) Jacketed Stainless Steel
Wire Rope Tension	
Weight	
	Electrical cable, or plastic connector
Life	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ranges to 4.7"	2.000.000 full stroke cycles
Ranges 10" to 25"	
Ranges 30" to 80"	250.000 full stroke cycles
ENVIRONMENTAL	,
Operating Temperature	25°C to 75°C
Storage Temperature	50°C to 80°C
Operating Humidity	
.,	90% R.H. non-condensing NEMA 12
Vibration	15 G's 0.1 ms max.
Shock	
	IP-65 (NEMA 4X) or IP-52 (NEMA 12)
	35 (TENDY 15)

ELECTRICAL		
Output		0 to 5, 0 to 10, ±5, ±10 VDC
Excitation Voltag	e	4.9 to 30 VDC
Excitation Currer	nt	25 mA max
Output Impedan	ce	10Ω max
Output Load		5KΩ min
ADJUSTMENT I	RANGE-0 TO 5 OR 0 TO 10 VD	C
Zero		0 to 30% of Range
Span		80% to 100% of Range
ADJUSTMENT I	RANGE-±5 OR ±10 VDC	
Zero		40% to 60% of Range
Span		80% to 100% of Longest Possible
Travel from Zero	Position	
Protection		Reversed Polarity
		1
	ZERO & SPAN ACCESS	
	/- ZERO	



FOOTNOTES TO SPECIFICATIONS Supplemental Data section located at end of JX Series pages

MODEL NUMBER CONFIGURATION

JX-P510-







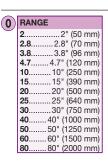


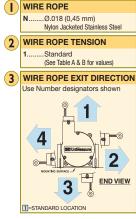


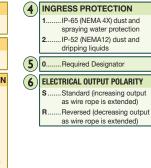


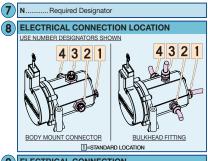


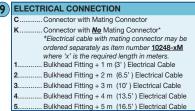
JX-P510-50-N11-20S-N1C





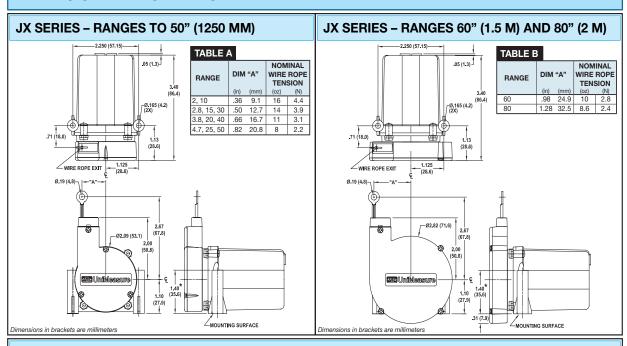








DIMENSIONAL INFORMATION



10067 - AUXILIARY WIRE ROPE EXTENSION KIT

The auxiliary wire rope extension may be used to facilitate mounting the transducer remotely from the measurement point. The clip on the extension attaches to the eye fitting on the transducer. The eye fitting on the opposite end, which is identical to the fitting on the transducer, mounts to the moving element. The extension kit is also available with the clip end unterminated for situations where it is more convenient to size the wire rope length during installation. Clip and crimp fitting are included with the unterminated version.

