The UniMeasure JX-PA Series linear position transducer with analog output is primarily for use in moderate duty applications in wet or dry environments. The chemical resistant thermoplastic case of the transducer provides optional IP-65 (NEMA 4X) ingress protection for applications where exposure to wash down, rain, oil and other liquids may occur. The sealed case is achieved through the use of o-rings and a low friction shaft seal. An integral dust wiper insures that the wire rope stays clear of debris as it is extracted and retracted. Electrical connection options include body mounted sealed plastic connector with mating connector or a sealed bulkhead fitting and three conductor electrical cable of user specified length. If connector with mating connector option is chosen, the mating connector is available

with or without electrical cable attached. As an installation convenience, optional connector locations on the transducer body are offered. In addition, the wire rope exit direction may be specified at time of order or may be user adjusted at time of installation. Typical applications include but are not limited to forklift positioning, suspension travel measurement, valve positioning, liquid level measurement, flood and irrigation gate monitoring, and saw blade positioning.

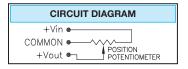
SPECIFICATIONS

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	.Thermoplastic Body
	.Ø.018 (0.46 mm) Jacketed Stainless Steel
Wire Rope Tension	. See Supplemental Data ^[1]
Weight	.6.3 oz. (180 gm)
Connections	. Electrical cable, or plastic connector
Life	
Ranges to 4.7"	
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	.100% R.H.
	Vibration	.15 G's 0.1 ms max.
	Shock	.50 G's 0.1 ms max.
	Ingress Protection	.IP-65 (NEMA 4X) or IP-52 (NEMA 12)
ELECTRICAL		
	Input Impedance	.1000 Ω ±15% Standard
	Output Impedance	.0 to 1000 Ω
	Excitation Voltage	.30 V Max.
	Output Voltage Change Over	
	Full Range of Transducer	.92% to 98% of Excitation Voltage
	=	•

0E°C +0 . 7E°C



FOOTNOTES TO SPECIFICATIONS:

1. Supplemental Data section located at end of JX Series pages.

MODEL NUMBER CONFIGURATION

JX-PA-







WIRE ROPE









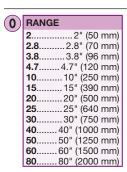


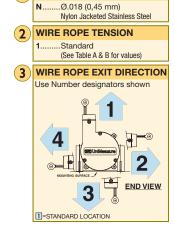


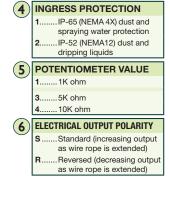
BASIC CONFIGURATION

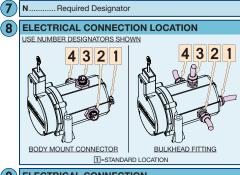
(FOR ALL RANGES)

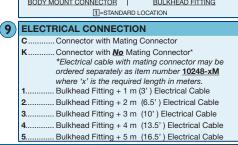
JX-PA-50-N11-21S-N1C







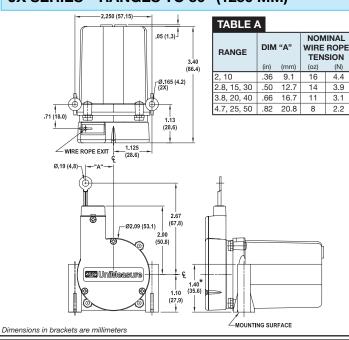


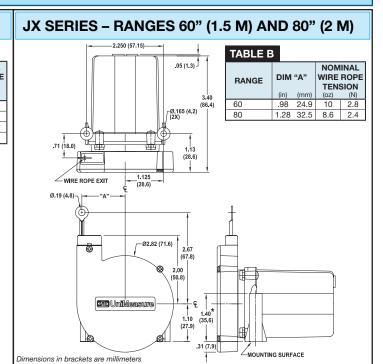




DIMENSIONAL INFORMATION

JX SERIES - RANGES TO 50" (1250 MM)





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.

