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

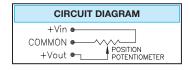
with or without electrical cable attached. As an installation convenience, optional connector locations on the transducer body are offered. In addition, the wire rope exit direction may be specified at time of order or may be user adjusted at time of installation. Typical applications include but are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

## **SPECIFICATIONS**

See Range Table below
Precision Potentiometer
Essentially Infinite
.±1.0% Full Scale
±0.5% Full Scale
±0.25% Full Scale
.±0.02% Full Scale
Thermoplastic Body
.Ø.018 (0.46 mm) Jacketed Stainless Steel
.See Supplemental Data[1]
.6.3 oz. (180 gm)
Electrical cable, or plastic connector
.2,000,000 full stroke cycles
.500,000 full stroke cycles
.250,000 full stroke cycles

#### **ENVIRONMENTAL**

C	perating Temperature	25°C to +75°C
S	torage Temperature	50°C to +80°C
C	perating Humidity	.100% R.H.
٧	ibration	.15 G's 0.1 ms max.
S	hock	.50 G's 0.1 ms max.
lr	ngress Protection	.IP-65 (NEMA 4X) or IP-52 (NEMA 12)
EL	ECTRICAL	
lr	put Impedance	.1000 Ω ±15% Standard
C	Output Impedance	.0 to 1000 Ω
Е	xcitation Voltage	.30 V Max.
C	Output Voltage Change Over	
F	ull Range of Transducer	.92% to 98% of Excitation Voltage



#### FOOTNOTES TO SPECIFICATIONS:

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

### MODEL NUMBER CONFIGURATION

JX-PA-







**WIRE ROPE** 







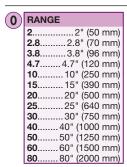


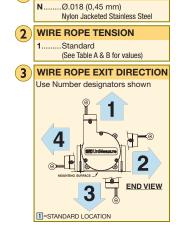


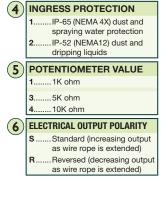
**BASIC CONFIGURATION** 

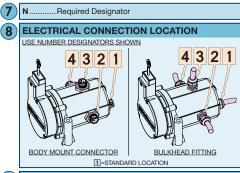
(FOR ALL RANGES)

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







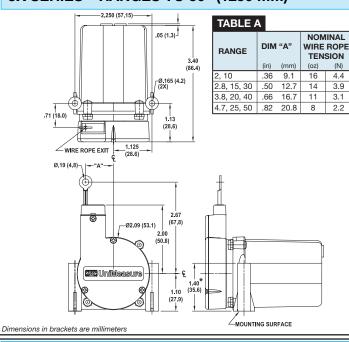




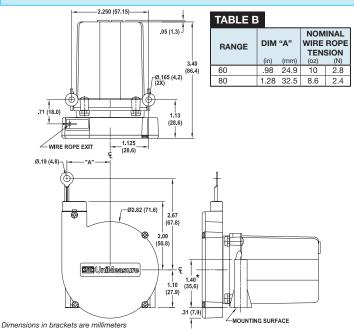


## **DIMENSIONAL INFORMATION**

# JX SERIES - RANGES TO 50" (1250 MM)



# JX SERIES – RANGES 60" (1.5 M) AND 80" (2 M)



### 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.



Specify Dimension "L" in centimeters to the nearest whole centimeter

NOTES: 1.1 cm = 0.394", 1 inch = 2.54 cm

2. Shortest length "L" is 5 cm (approximately 2")

2 UNTERMINATED CLIP END

Leave Blank... Completed kit (No designator required)

U ............. Unterminated Clip End
(clip and crimp sleeve included in kit)