

JX-PA SERIES RATIOMETRIC VOLTAGE OUTPUT

NOTE

1) Shaded options available at additional cost.

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 NEMA 4 (IP-65) ingress protection for applications where exposure to washdown, 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

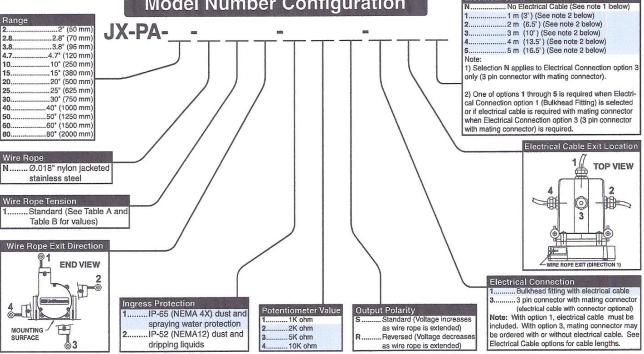


Example

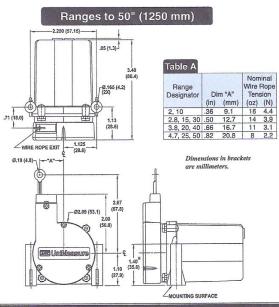
JX-PA-25-N11-21S-311

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 Electrical General Measurement RangeSee Range Table below Input Impedance......1000 Ω ±15% Standard Sensing DevicePrecision Potentiometer Output Impedance.....0 to 1000 Ω Excitation Voltage25 V Max. Resolution.....Essentially Infinite Nominal Output Voltage.....940 mv/v/inch Linearity 2", 2.8", 3.8", 4.7" ranges±1.0% Full Scale (Use Range from table below) Range in mm mV/V/mm 10" to 25" ranges.....±0.5% Full Scale 30" to 80" ranges.....±0.25% Full Scale Environmental Operating Temperature.....-25°C to +60°C Repeatability±0.02% Full Scale Storage Temperature-50°C to +80°C ConstructionThermoplastic Body Operating Humidity......100% R.H. Vibration15 G's 0.1 ms max. Steel Shock......50 G's 0.1 ms max. Wire Rope Tension.....See Supplemental Data¹ Ingress Protection.....NEMA 12 or 4X, IP-52 or 65 Connections Electrical cable, or plastic connector Circuit Diagram (All Ranges) +Vin e Ranges to 4.7".....2,000,000 full stroke cycles FOOTNOTES TO SPECIFICATIONS COMMON . Ranges 10" to 25"500,000 full stroke cycles Supplemental Data section located +Vout Ranges 30" to 80"250,000 full stroke cycles at end of JX Series pages. **Model Number Configuration** No Electrical Cable (See note 1 below) .1 m (31) (See note 2 below) .2 m (6.5') (See note 2 below) JX-PA-



DIMENSIONAL INFORMATION



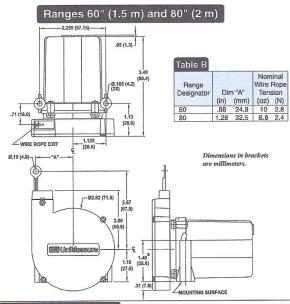
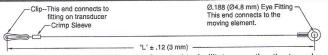


TABLE 3—Electrical Output Options—JX-EP Series

Option	Output Type	Output Stage	Waveform
1	5 VDC TTL Two Channel Current Sinking Two channels in quadrature with 65KΩ internal pullup resistors. 5 VDC input voltage	+5 VDC 65KQ Vout COMMON	â []
2	5 VDC TTL Current Sinking Differential Line Drive Current sinking line drive output. 2KΩ internal pullup resistors. 5 VDC input voltage	+5 VDC 2KQ ->0 7406 Vout	A A B B B B B B B B B B B B B B B B B B
3	5 VDC Push-Pull Differential Line Drive Push-Pull, current sourcing and current sinking output. 5 VDC input voltage. Output is compliant with requirements of TIA/EIA-422-B.	+5 VDC AM26C31 Vout COMMON	
4	8 to 28 VDC Current Sinking Differential Line Drive Current sinking line drive output with 10KΩ internal pullup resistors. 8 to 28 VDC input voltage	+8 to +28 VDC	
5	8 to 28 VDC Push-Pull Differential Line Drive Push-Pull, current sourcing and current sinking output. 8 to 28 VDC input voltage.	+8 to +28 VDC 7272 Vout —COMMON	

Accessory—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. The clip and crimp sleeve are included as loose parts for user termination.

10067-__CM-____*...........Completed kit (no designator required)
U........Unterminated clip end
(clip and crimp sleeve included in kit)

* Leave blank. No designator required.

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

Note 1. 1 cm = 0.394", 1 inch = 2.54 cm Note 2. Shortest length "L" is 5 cm (approximately 2").

Diese Daten können jederzeit ohne Vorankündigung geändert werden

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