(electrical cable with connector optional)

Note: With option 1, electrical cable must be

included. With option 3, mating connector may

be ordered with or without electrical cable. See

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

Electrical Cable options for cable lengths.

Example

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

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	t, flood and irrigation gate monitoring,		
	SPECIFICA		
	See Range Table belowPrecision Potentiometer	Electrical Input Impedance	Standard
Linearity 2", 2.8", 3.8", 4.7" ranges 10" to 25" ranges	±1.0% Full Scale	Nominal Output Voltage	nV/inch/Ve
30" to 80" ranges	±0.25% Full Scale	Environmental	
Repeatability Construction		Operating Temperature25°C to +75°C Storage Temperature50°C to +80°C	
Wire Rope	Ø.018 (0.46 mm) Jacketed Stainless Steel	Operating Humidity100% R.H. Vibration15 G's 0.1 ms	
Weight	See Supplemental Data ¹ 6.3 oz. (180 gm)Electrical cable, or plastic connector	Shock	
Life Ranges to 4.7"	2,000,000 full stroke cycles	FOOTNOTES TO SPECIFICATIONS COMMON	m (All Ranges)
Ranges 30" to 80"	250,000 full stroke cycles	 Supplemental Data section located at end of JX Series pages. +Vout ← 	POSITION POTENTIOMETER
	PA	2	ote 2 below) note 2 below) note 2 below) cal Connection option og connector). required when Elect and Fitting) is selecter with mating connecto on 3 (3 pin connecto
/ire Rope Ø.018" nylon jacketed stainless steel		Electrical	Cable Exit Location TOP VIEV
Vire Rope TensionStandard (See Table A and Table B for values)		4	3
Wire Rope Exit Direction O END VIEW		WIRE R	OPE EXIT (DIRECTION 1)
4 Ing	ress Protection	Electrical Connection 1	with electrical cable

2K ohm

5K ohm

Standard (Voltage increa

as wire rope is extended)

Reversed (Voltage decreases

IP-65 (NEMA 4X) dust and

spraying water protection

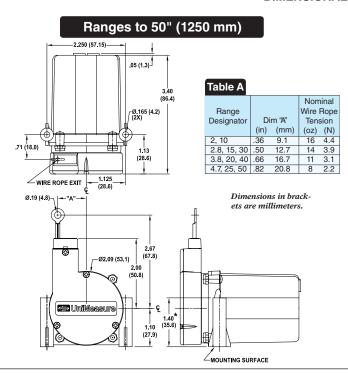
IP-52 (NEMA12) dust and

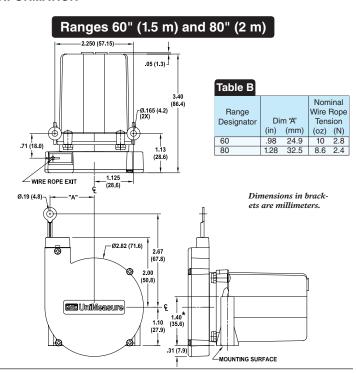
dripping liquids

1) Shaded options available at additional cost.

MOUNTING SURFACE

DIMENSIONAL INFORMATION





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.

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")