



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	See Range Table below
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
Wire Rope	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"	2,000,000 full stroke cycles
Ranges 10" to 25"	500,000 full stroke cycles
Ranges 30" to 80"	250,000 full stroke cycles

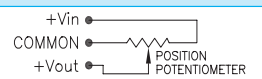
ENVIRONMENTAL

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 Transducer92% to 98% of Excitation Voltage

CIRCUIT DIAGRAM



FOOTNOTES TO SPECIFICATIONS:

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

MODEL NUMBER CONFIGURATION

JX-PA- 0 1 2 3 4 5 6 7 8 9

BASIC CONFIGURATION (FOR ALL RANGES)

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

0 RANGE
2..... 2" (50 mm)
2.8..... 2.8" (70 mm)
3.8..... 3.8" (96 mm)
4.7..... 4.7" (120 mm)
10..... 10" (250 mm)
15..... 15" (390 mm)
20..... 20" (500 mm)
25..... 25" (640 mm)
30..... 30" (750 mm)
40..... 40" (1000 mm)
50..... 50" (1250 mm)
60..... 60" (1500 mm)
80..... 80" (2000 mm)

1 WIRE ROPE
N..... Ø.018 (0.45 mm) Nylon Jacketed Stainless Steel
2 WIRE ROPE TENSION
1..... Standard (See Table A & B for values)
3 WIRE ROPE EXIT DIRECTION
Use Number designators shown
□=STANDARD LOCATION

4 INGRESS PROTECTION
1..... IP-65 (NEMA 4X) dust and spraying water protection
2..... IP-52 (NEMA 12) dust and dripping liquids
5 POTENTIOMETER VALUE
1..... 1K ohm
3..... 5K ohm
4..... 10K ohm
6 ELECTRICAL OUTPUT POLARITY
S..... Standard (increasing output as wire rope is extended)
R..... Reversed (decreasing output as wire rope is extended)

7 N Required Designator
8 ELECTRICAL CONNECTION LOCATION
USE NUMBER DESIGNATORS SHOWN
□=STANDARD LOCATION

9 ELECTRICAL CONNECTION
C..... Connector with Mating Connector
K..... Connector with No Mating Connector*
*Electrical cable with mating connector may be ordered separately as item number 10248-xM where 'x' is the required length in meters.
1..... Bulkhead Fitting + 1 m (3') Electrical Cable
2..... Bulkhead Fitting + 2 m (6.5') Electrical Cable
3..... Bulkhead Fitting + 3 m (10') Electrical Cable
4..... Bulkhead Fitting + 4 m (13.5') Electrical Cable
5..... Bulkhead Fitting + 5 m (16.5') Electrical Cable

DIMENSIONAL INFORMATION

JX SERIES – RANGES TO 50" (1250 MM)

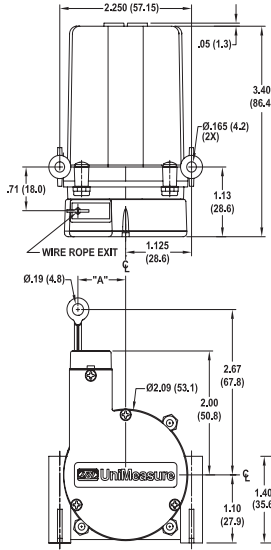


TABLE A

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
2, 10	.36	9.1	16	4.4
2.8, 15, 30	.50	12.7	14	3.9
3.8, 20, 40	.66	16.7	11	3.1
4.7, 25, 50	.82	20.8	8	2.2

Dimensions in brackets are millimeters

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

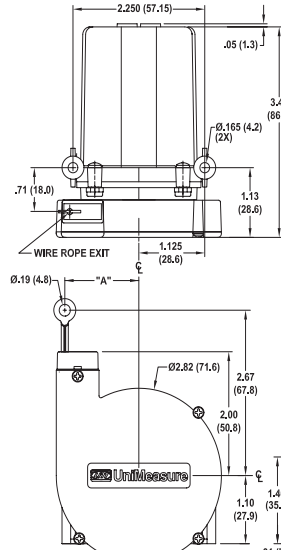


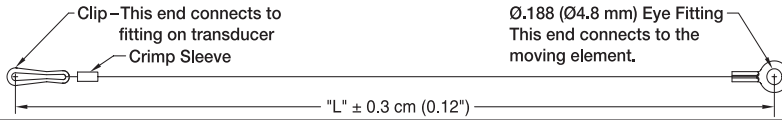
TABLE B

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
60	.98	24.9	10	2.8
80	1.28	32.5	8.6	2.4

Dimensions in brackets are millimeters

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.



10067- -CM-

- 1 DIMENSION "L"**
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)

The UniMeasure JX-P420 series linear position 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. 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. The standard electrical connection includes a sealed bulkhead fitting and multi-conductor electrical cable. An optional connector and mating connector are also available. As a convenience, optional connector 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.

The JX-P420 series transducer is a loop powered device with a 4 to 20 mA current output that requires a two wire connection. The transducer, power supply, and current monitor are connected in series. Zero and span adjustment potentiometers are accessible by removing two sealing screws in the rear of the transducer housing. Zero and span allow for adjustment for a full 4 to 20 mA output at between 50% and 100% of maximum linear travel.



SPECIFICATIONS

GENERAL

Measurement Range	See Range Table below
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
Wire Rope	Ø.018 (0.46 mm) Jacketed Stainless Steel
Wire Rope Tension	See Supplemental Data ¹⁾
Weight	6.7 oz. (190 gm)
Connections	Electrical cable, or plastic connector
Life	
Ranges to 4.7"	2,000,000 full stroke cycles
Ranges 10" to 25"	500,000 full stroke cycles
Ranges 30" to 80"	250,000 full stroke cycles

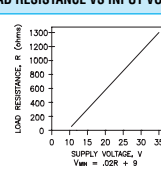
ENVIRONMENTAL

Operating Temperature	-25°C to 75°C
Storage Temperature	-50°C to 80°C
Operating Humidity	100% R.H. NEMA 4,
	90% R.H. non-condensing NEMA 12
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)

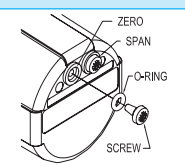
ELECTRICAL

Output	4 to 20 mA
Load Resistance (Total Loop)	See Graph Below
Excitation Voltage	9 to 35 VDC
Minimum Supply Voltage	(.02 x Load Res.) + 9 VDC
Insulation Resistance	100 Megohms min. at 100 VDC
Zero Set Adjustment Range	0 to 30% of Range
Span Set Adjustment Range	80% to 100% of Range
Protection	Fused & Reversed Polarity

LOAD RESISTANCE VS INPUT VOLTAGE



ZERO & SPAN ACCESS



FOOTNOTES TO SPECIFICATIONS

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

MODEL NUMBER CONFIGURATION

JX-P420- 0 1 2 3 4 5 6 7 8 9

BASIC CONFIGURATION (FOR ALL RANGES)

JX-P420-50-N11-20S-N1C

0 RANGE
2.....2.2" (50 mm)
2.8.....2.8" (70 mm)
3.8.....3.8" (96 mm)
4.7.....4.7" (120 mm)
10.....10" (250 mm)
15.....15" (390 mm)
20.....20" (500 mm)
25.....25" (640 mm)
30.....30" (750 mm)
40.....40" (1000 mm)
50.....50" (1250 mm)
60.....60" (1500 mm)
80.....80" (2000 mm)

1 WIRE ROPE
N.....Ø.018 (0.45 mm) Nylon Jacketed Stainless Steel

2 WIRE ROPE TENSION
1.....Standard (See Table A & B for values)

3 WIRE ROPE EXIT DIRECTION
Use Number designators shown
1=STANDARD LOCATION

4 INGRESS PROTECTION
1.....IP-65 (NEMA 4X) dust and spraying water protection
2.....IP-52 (NEMA12) dust and dripping liquids

5 0.....Required Designator

6 ELECTRICAL OUTPUT POLARITY
S.....Standard (increasing output as wire rope is extended)
R.....Reversed (decreasing output as wire rope is extended)

7 N.....Required Designator

8 ELECTRICAL CONNECTION LOCATION
USE NUMBER DESIGNATORS SHOWN
1=STANDARD LOCATION

9 ELECTRICAL CONNECTION
C.....Connector with Mating Connector
K.....Connector with No Mating Connector*
*Electrical cable with mating connector may be ordered separately as item number 10248-xM where 'x' is the required length in meters.
1.....Bulkhead Fitting + 1 m (3') Electrical Cable
2.....Bulkhead Fitting + 2 m (6.5') Electrical Cable
3.....Bulkhead Fitting + 3 m (10') Electrical Cable
4.....Bulkhead Fitting + 4 m (13.5') Electrical Cable
5.....Bulkhead Fitting + 5 m (16.5') Electrical Cable

DIMENSIONAL INFORMATION

JX SERIES – RANGES TO 50" (1250 MM)

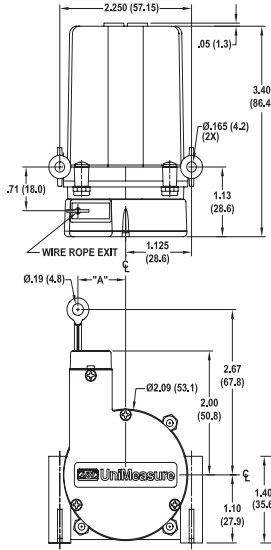


TABLE A

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
2, 10	.36	9.1	16	4.4
2.8, 15, 30	.50	12.7	14	3.9
3.8, 20, 40	.66	16.7	11	3.1
4.7, 25, 50	.82	20.8	8	2.2

Dimensions in brackets are millimeters

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

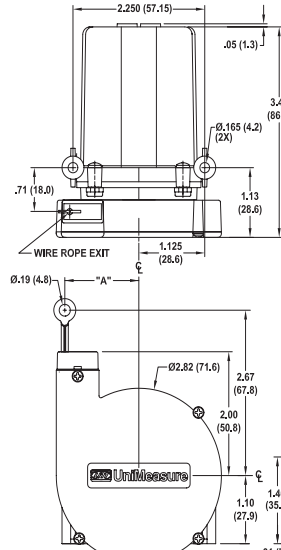


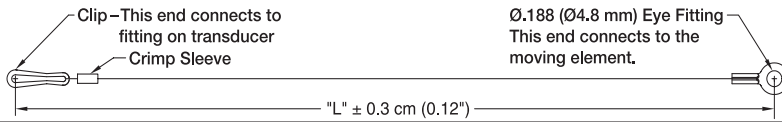
TABLE B

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
60	.98	24.9	10	2.8
80	1.28	32.5	8.6	2.4

Dimensions in brackets are millimeters

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.



10067- -CM-

- 1 DIMENSION "L"**
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)

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 from the zero position.

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 dustwiper 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

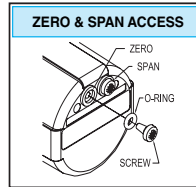
Measurement Range.....	See Range Table below
Sensing Device	Precision Potentiometer
Resolution	Essentially Infinite
Linearity	
2", 2.8", 3.8", 4.7" Ranges	$\pm 1.0\%$ Full Scale
10" to 25" Ranges	$\pm 0.5\%$ Full Scale
30" to 80" Ranges	$\pm 0.25\%$ Full Scale
Repeatability	$\pm 0.02\%$ Full Scale
Construction	Thermoplastic Body
Wire Rope	$\varnothing 0.018$ (0.46 mm) Jacketed Stainless Steel
Wire Rope Tension	See Supplemental Data ^[1]
Weight	6.7 oz. (190 gm)
Connections	Electrical cable, or plastic connector
Life	
Ranges to 4.7"	2,000,000 full stroke cycles
Ranges 10" to 25"	500,000 full stroke cycles
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. NEMA 4, 90% R.H. non-condensing NEMA 12
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

Output	0 to 5, 0 to 10, ± 5 , ± 10 VDC
Excitation Voltage	4.9 to 30 VDC
Excitation Current	25 mA max
Output Impedance	10 Ω max
Output Load	5K Ω min
ADJUSTMENT RANGE—0 TO 5 OR 0 TO 10 VDC	
Zero	0 to 30% of Range
Span	80% to 100% of Range
ADJUSTMENT 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



FOOTNOTES TO SPECIFICATIONS

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

MODEL NUMBER CONFIGURATION



BASIC CONFIGURATION (FOR ALL RANGES)

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

0 RANGE

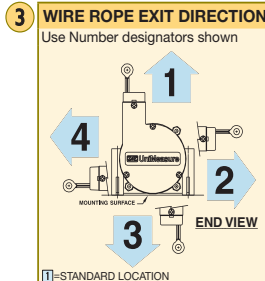
2.....	2" (50 mm)
2.8.....	2.8" (70 mm)
3.8.....	3.8" (96 mm)
4.7.....	4.7" (120 mm)
10.....	10" (250 mm)
15.....	15" (390 mm)
20.....	20" (500 mm)
25.....	25" (640 mm)
30.....	30" (750 mm)
40.....	40" (1000 mm)
50.....	50" (1250 mm)
60.....	60" (1500 mm)
80.....	80" (2000 mm)

1 WIRE ROPE

N.....	$\varnothing 0.018$ (0.45 mm) Nylon Jacketed Stainless Steel
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2 WIRE ROPE TENSION

1.....	Standard (See Table A & B for values)
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4 INGRESS PROTECTION

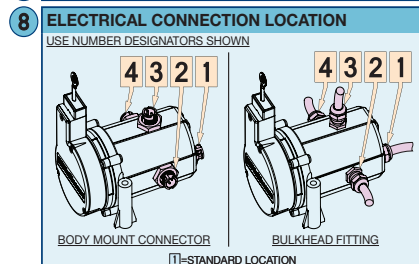
1.....	IP-65 (NEMA 4X) dust and spraying water protection
2.....	IP-52 (NEMA12) dust and dripping liquids

5 0..... Required Designator

6 ELECTRICAL OUTPUT POLARITY

S.....	Standard (increasing output as wire rope is extended)
R.....	Reversed (decreasing output as wire rope is extended)

7 N..... Required Designator



9 ELECTRICAL CONNECTION

C.....	Connector with Mating Connector
K.....	Connector with Ne Mating Connector*
*Electrical cable with mating connector may be ordered separately as item number 10248-xM where 'x' is the required length in meters.	
1.....	Bulkhead Fitting + 1 m (3') Electrical Cable
2.....	Bulkhead Fitting + 2 m (6.5') Electrical Cable
3.....	Bulkhead Fitting + 3 m (10') Electrical Cable
4.....	Bulkhead Fitting + 4 m (13.5') Electrical Cable
5.....	Bulkhead Fitting + 5 m (16.5') Electrical Cable

DIMENSIONAL INFORMATION

JX SERIES – RANGES TO 50" (1250 MM)

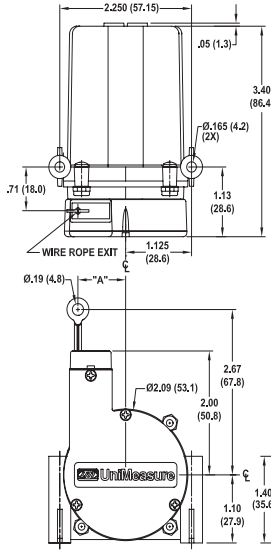


TABLE A

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
2, 10	.36	9.1	16	4.4
2.8, 15, 30	.50	12.7	14	3.9
3.8, 20, 40	.66	16.7	11	3.1
4.7, 25, 50	.82	20.8	8	2.2

Dimensions in brackets are millimeters

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

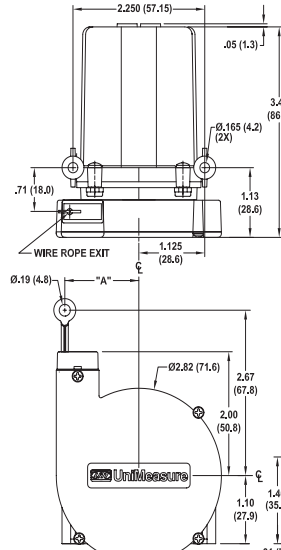


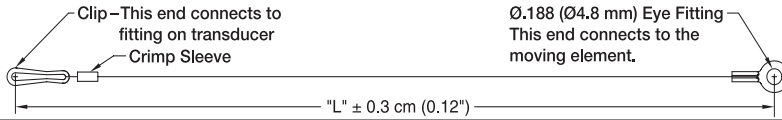
TABLE B

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
60	.98	24.9	10	2.8
80	1.28	32.5	8.6	2.4

Dimensions in brackets are millimeters

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.



10067- -CM-

- 1 DIMENSION "L"**
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)

The UniMeasure JX-EP series linear position transducer with digital output is oriented for use in moderate duty applications in hostile wet or dry environments. The chemical resistant thermoplastic case of the transducer with integral dust wiper is factory configurable to IP-52 (NEMA 12) for dust protection or to IP-65 (NEMA 4X) 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. The wire rope exit direction may be specified at time of order or may be user adjusted at time of installation. The standard electrical connection includes a sealed bulkhead fitting and multi-conductor electrical cable. An optional cable to cable connector with mating connector may be added to the electrical cable. Alternatively, the cable to cable connector may be ordered without the mating connector. The mating connector with a length of electrical cable attached may be ordered as a separate item. As a convenience, optional connector locations on the transducer body are offered. The standard electrical output of the unit is a TTL level two channel square wave in quadrature. Optional outputs include line driver and push-pull circuits.



SPECIFICATIONS

GENERAL

Measurement Range	See Range Table below
Sensing Device	Digital Encoder
Nominal Resolution ^[2]	
10" range	445 counts/inch, 17.5 counts/mm
15", 30" range	327 counts/inch, 12.9 counts/mm
20", 40" range	246 counts/inch, 9.7 counts/mm
25", 50" range	198 counts/inch, 7.8 counts/mm
60" range	166 counts/inch, 6.5 counts/mm
80" range	126 counts/inch, 5.0 counts/mm
Linearity	±0.10% Full Scale
Repeatability	
(in times 1 counting mode)	±1 Count, ranges to 25" ±2 Counts, ranges 30" to 80"
Construction	Thermoplastic Body
Wire Rope	Ø.018 (0.46 mm) Jacketed Stainless Steel
Wire Rope Tension	See Supplemental Data ^[1]
Weight	6.3 oz. (180 gm)
Connection	24 AWG Shielded Electrical Cable

LIFE (to wire rope replacement)

Ranges 10" to 25"	1,000,000 full stroke cycles
Ranges 30" to 80"	500,000 full stroke cycles

ENVIRONMENTAL

Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 80°C
Operating Humidity	95% R.H. non-condensing IP-52 case 100% R.H. IP-65 case
Vibration	20 G's maximum
Ingress Protection	IP-65 (NEMA 4X) or IP-52 (NEMA 12)

ELECTRICAL

Excitation Voltage	+5 VDC ±5% or 5-28 VDC
Excitation Current	85mA MAX
Output	2 channel square wave in Quadrature TTL Level Current Sinking with 65 KΩ Pullups

FOOTNOTES TO SPECIFICATIONS

- Supplemental Data section located at end of JX Series pages.
- Resolution shown is for times one counting mode. Resolution may be increased by a factor of four with interface electronics capable of quadrature times 4 counting mode.

MODEL NUMBER CONFIGURATION



BASIC CONFIGURATION (FOR ALL RANGES)

JX-EP-50-N11-210-1PN

0 RANGE

10.....	10" (250 mm)
15.....	15" (390 mm)
20.....	20" (500 mm)
25.....	25" (640 mm)
30.....	30" (750 mm)
40.....	40" (1000 mm)
50.....	50" (1250 mm)
60.....	60" (1500 mm)
80.....	80" (2000 mm)

1 WIRE ROPE

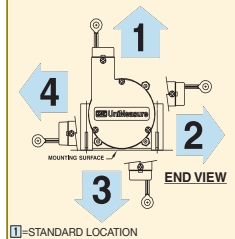
N	Ø.018 (0.45 mm) Nylon Jacketed Stainless Steel
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2 WIRE ROPE TENSION

1	Standard (See Table A & B for values)
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3 WIRE ROPE EXIT DIRECTION

Use Number designators shown



4 INGRESS PROTECTION

1	IP-65 (NEMA 4X) dust and spraying water protection
2	IP-52 (NEMA 12) dust and dripping liquids

5 ELECTRICAL OUTPUT

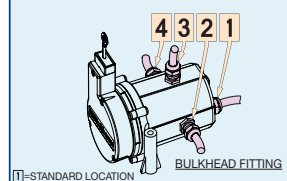
1	5 VDC current sinking, Two channel
2	5 VDC current sinking differential line drive
3	5 VDC push-pull differential line drive
4	8 to 28 VDC current sinking differential line drive
5	8 to 28 VDC push-pull differential line drive

See TABLE 3, Electrical Output Options, Page 20 for waveform and output stage configuration.

6 0..... Required Designator

7 ELECTRICAL CONNECTION LOCATION

USE NUMBER DESIGNATORS SHOWN



8 ELECTRICAL CABLE

P	150 mm (6") pigtail
1	1 m (3')
2	2 m (6.5')
3	3 m (10')
4	4 m (13.5')
5	5 m (16.5')

9 CONNECTOR

N	No connector
C	Cable to cable connector with mating connector
K	Cable to cable connector with NO mating connector

For Option "K", mating connector with electrical cable is available as **P/N 10325-xM** where "x" is required length in meters.

DIMENSIONAL INFORMATION

JX SERIES – RANGES TO 50" (1250 MM)

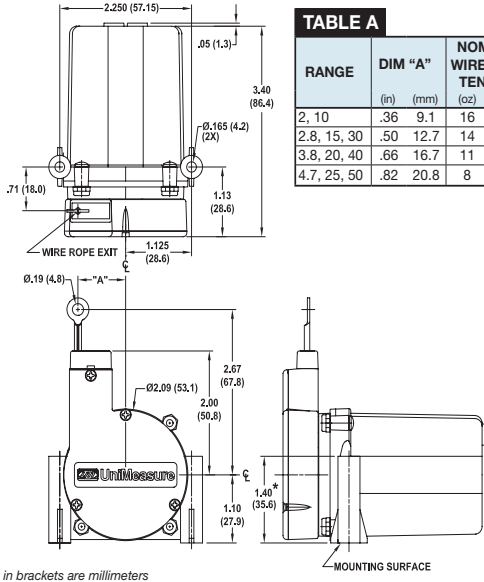


TABLE A

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
2, 10	.36	9.1	16	4.4
2.8, 15, 30	.50	12.7	14	3.9
3.8, 20, 40	.66	16.7	11	3.1
4.7, 25, 50	.82	20.8	8	2.2

Dimensions in brackets are millimeters

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

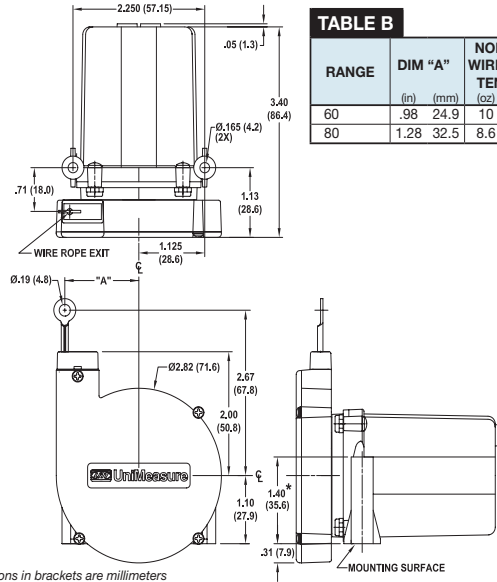


TABLE B

RANGE	DIM "A"		NOMINAL WIRE ROPE TENSION	
	(in)	(mm)	(oz)	(N)
60	.98	24.9	10	2.8
80	1.28	32.5	8.6	2.4

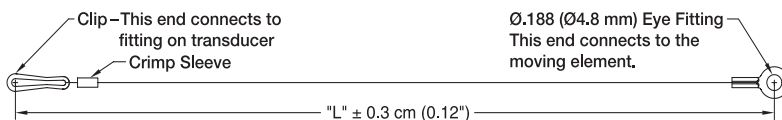
Dimensions in brackets are millimeters

TABLE 3 – JX-EP SERIES ELECTRICAL OUTPUT OPTIONS

OPTION	OUTPUT TYPE	OUTPUT STAGE	WAVEFORM
1	5 VDC TTL Two Channel Current Sinking Two channels in quadrature with 65KΩ internal pullup resistors. <i>Input Voltage: 5 VDC.</i>		
2	5 VDC TTL Current Sinking Differential Line Drive Current sinking line drive output. 2KΩ internal pullup resistors. <i>Input Voltage: 5 VDC.</i>		
3	5 VDC Push-Pull Differential Line Drive Push-Pull, current sourcing and current sinking output. Output is compliant with requirements of TIA/EIA-422-B. <i>Input Voltage: 5 VDC.</i>		
4	8 to 28 VDC Current Sinking Differential Line Drive Current sinking line drive output with 10KΩ internal pullup resistors. <i>Input Voltage: 8 to 28 VDC.</i>		
5	8 to 28 VDC Push-Pull Differential Line Drive Push-Pull, current sourcing and current sinking output. <i>Input Voltage: 8 to 28 VDC.</i>		

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.



10067- -CM-

- 1 DIMENSION "L"**
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)