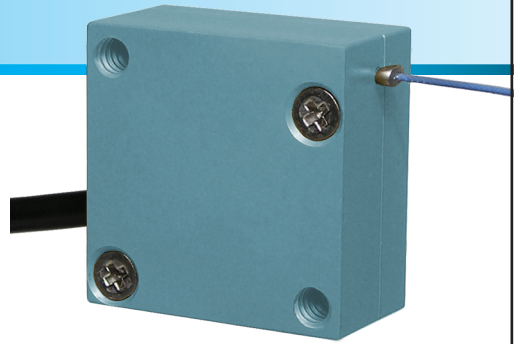


# ZX-PA SERIES - Analog Position Transducer

## RATIOMETRIC VOLTAGE OUTPUT

With dimensions of .73 x .73 x .375, the UniMeasure model ZX-PA-1.5 is the world's smallest stringpot. With a total measurement range of 1.5" (38 mm), a wide operating temperature range and long cycle life, the ZX-PA-1.5 is perfect for applications where space is at an absolute premium and maximum performance is required.



### Features include:

- Miniature Size
- 1.5" (38 mm) Measurement Range
- Anodized aluminum housing
- Co-Molded Maximum Life Potentiometer
- Nylon Jacketed Wire Rope
- Through Hole Mounting and Integral Mounting Threads.

### SPECIFICATIONS

#### General

Measurement Range.....	1.5 inch (38 mm)
Sensing Device .....	Precision Potentiometer
Resolution.....	Essentially Infinite
Linearity.....	±1.0% Full Scale
Repeatability .....	±0.03% Full Scale
Construction .....	Anodized Aluminum Housing
Wire Rope.....	Ø0.018" (0.46 mm) Nylon Jacketed Stainless Steel
Wire Rope Tension .....	4 oz (1.1 N)
Weight .....	0.42 oz (12 gm)
Electrical Connection .....	3 conductor cable, 18" (457mm) length
Life.....	10,000,000 full stroke cycles

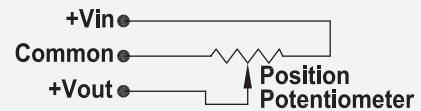
#### Electrical

Input Impedance.....	5000 Ω ±10%
Output Impedance.....	0 to 5000 Ω
Excitation Voltage.....	25 VDC Max.

#### Environmental

Operating Temperature .....	-55° C to 100° C
Storage Temperature.....	-65° C to 100° C
Vibration.....	15 G's 0.1 ms max.
Shock.....	50 G's 0.1 ms max.
Ingress Protection .....	NEMA 1, IP-40

#### CONNECTION DIAGRAM

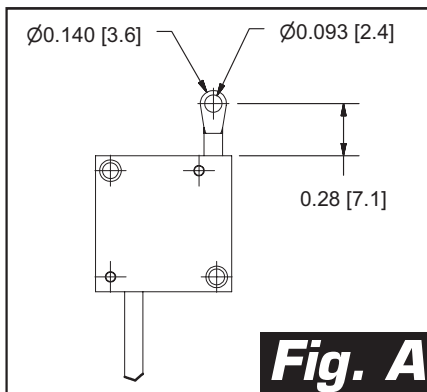


## Model Number Configuration

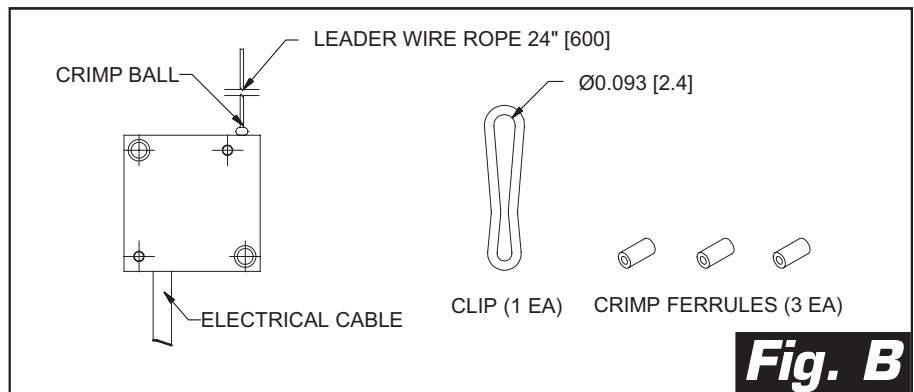
### ZX-PA-1.5-

#### Wire Rope Configuration

- A..... Eye Fitting  
(See Figure A)
- B..... 24" (600 mm) Leader Wire Rope with Fittings  
(See Figure B)



**Fig. A**



**Fig. B**

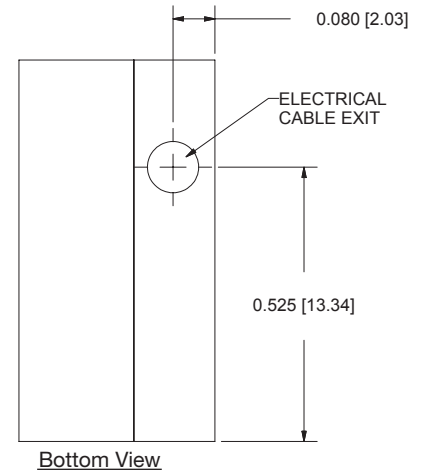
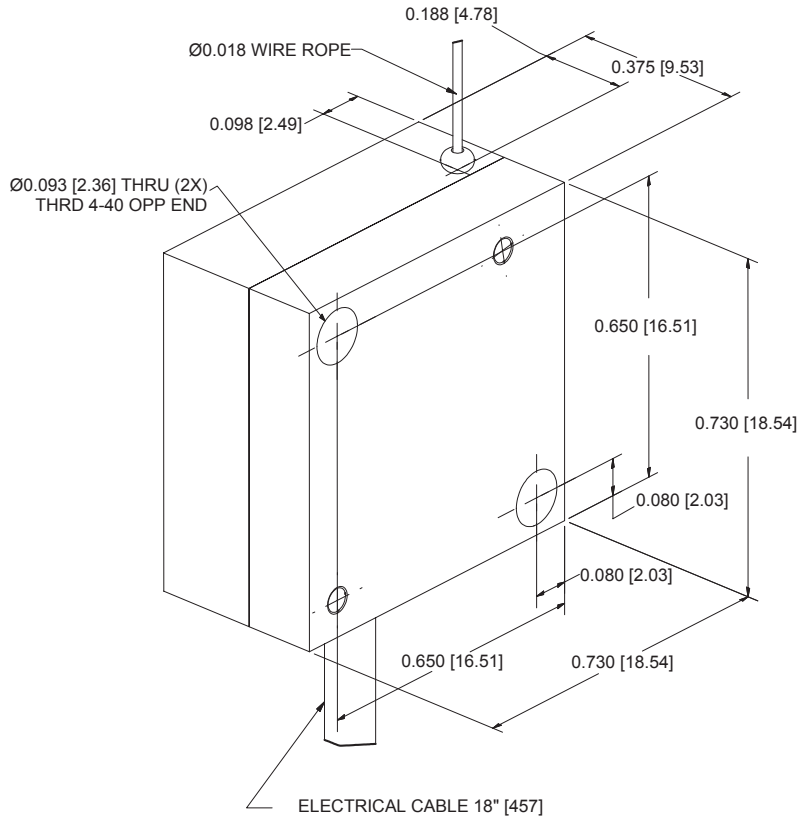
Dimensions in brackets are millimeters

Example  
ZX-PA-1.5-A

# ZX-PA SERIES - Analog Position Transducer

## SUPPLEMENTAL DATA

### DIMENSIONAL INFORMATION



Dimensions in brackets are millimeters