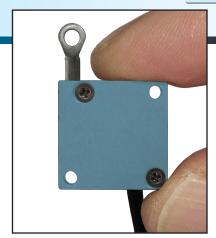
ZX-HM SERIES - Analog Position Transducer HALL EFFECT VOLTAGE OUTPUT

UniMeasure ZX-HM Series employs a non-contact hall effect internal sensing element. With an overall measurement range of 1.5" (38mm), model ZX-HM-1.5 is ideal for applications where space is at a premium or where dithering motion or continuous oscillation may be encountered. With a wide operating temperature range, the non-contact internal hall effect sensing element allows for an extremely long service life without output signal degradation.

The mounting holes in the housing allow mounting with two #2 or two 2 mm screws. Alternatively the unit may be mounted with two 4-40 screws that thread directly into the housing. The wire rope of the unit may be ordered with an eye fitting termination or with a length of leader wire rope, a clip, and several crimp fittings to hold the clip in place.



SPECIFICATIONS

GENERAL

Measurement Range 1.5 inch (38 mm)

Sensing Device......Non Contact Hall Effect Device

Resolution...... 0.0016 in (0.04 mm) Linearity ±1.0% Full Scale

Repeatability..... ±0.0032 in (0.08 mm)

Construction......Anodized Aluminum Housing

Wire Rope Tension...... 4 oz (1.1 N)

Weight...... 0.52 oz (15 gm)

Electrical Connection......... 3 conductor cable, 18" (457mm) length

Dynamic Response......25 Hz over full range extension

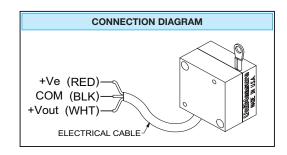
ENVIRONMENTAL

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

ELECTRICAL

Excitation Voltage	.5.00 ± 0.25 VDC
Excitation Current	.21 mA Max.
Output Voltage	$.89\% \pm 3\%$ of Excitation Voltage

Minimum Load Impedance30K Ohms



MODEL NUMBER CONFIGURATION

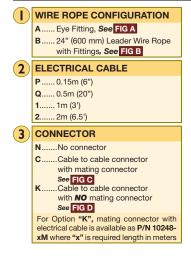
ZX-HM-1.5-

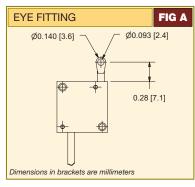




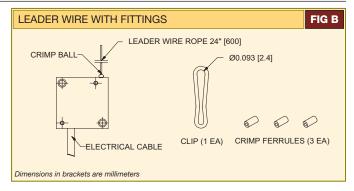
















DIMENSIONAL INFORMATION

