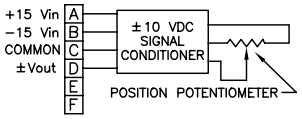
P1010 Series Installation Guide

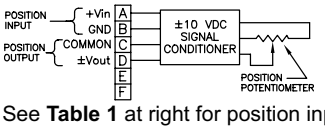
Wiring and Circuit Diagram

Models P1010



Excitation Voltage: +15 VDC & -15 VDC (±5%)
Output Impedance..... 1.0 Ω max.
Output Load..... 5K Ω min.

Models P1010-xx-SI__



See **Table 1** at right for position input voltage. Refer to Circuit Diagram "E" for *Zero* and *Span* adjustment procedure.

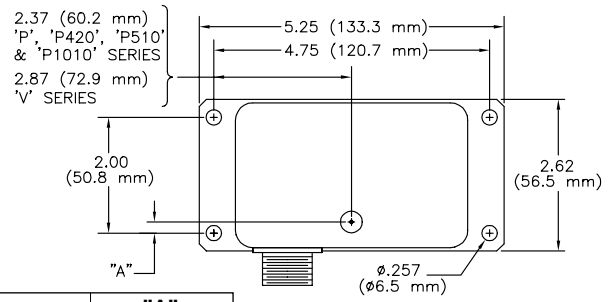
Table1

Option Designator	Input Voltage
SI5	5 ±0.5 VDC
SI12	12 ±0.5 VDC
SI15	15 ±0.5 VDC
SI24	24 ±1.0 VDC

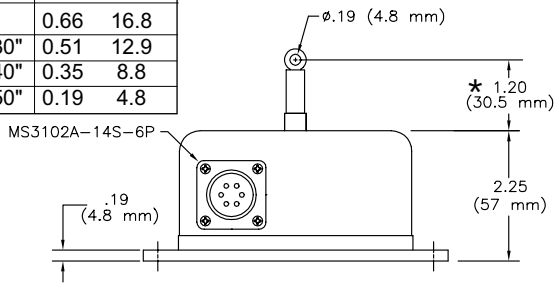
With small blade type screwdriver (.105" max. blade width X .023" max. blade thickness), adjust the *Zero* and *Span* controls on the transducer to set the zero and maximum output voltages. **Note:** The *Zero* and *Span* controls are somewhat interactive and may require several iterations to obtain the desired zero and maximum voltage settings. Extend the transducer cable (on angular position transducers, rotate shaft) to the desired zero position (must be within 10% to 90% of the total range). Adjust the *Zero* control to give a zero voltage output. Then extend the cable (on angular position transducers, rotate shaft) to the desired maximum position in the direction of longest possible travel (either positive or negative) from the zero position. To obtain maximum output voltage magnitude this position must lie within 50% to 100% of the longest possible travel. Adjust the *Span* control to the output voltage magnitude required (+ or - 10 VDC maximum). Recheck the zero and span settings and readjust if necessary.

Dimensional Information

Ranges to 50" (1250 mm)



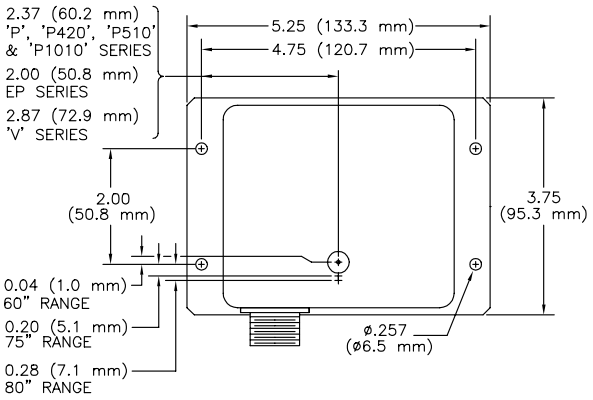
Range	"A" (in.)	"A" (mm.)
2", 10"	0.66	16.8
3", 15", 30"	0.51	12.9
4", 20", 40"	0.35	8.8
5", 25", 50"	0.19	4.8

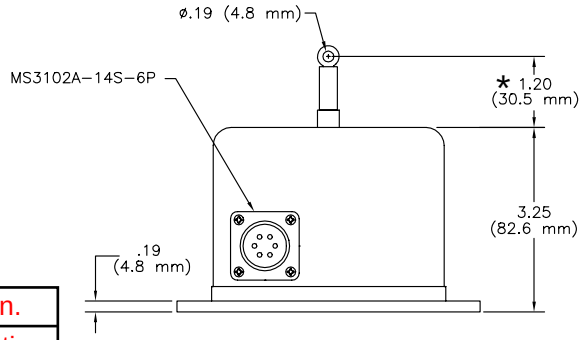


* 1.56 (39.6 mm) with "DS" option.

Click Here for CES (Cable Exit Side) Option.
Click Here for CEB (Cable Exit Bottom) Option.

Ranges to 80" (2000 mm)





* 1.56 (39.6 mm) with "DS" option.

UniMeasure
4175 SW Research Way, Corvallis, Oregon, 97333
•Tel: (541) 757-3158 •Fax (541) 757-0858