

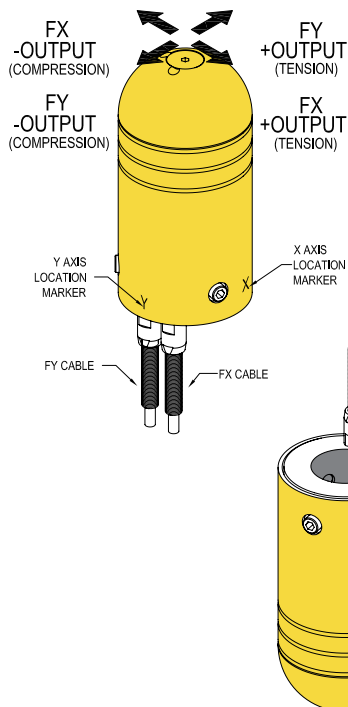


FEATURES

- Ideal for automotive gearshift actuation force measurement applications
- Intended for manual use/human testing
- Ideal for aerospace control stick pull/push force auditing

Active end

Fixed end



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.25% of RO
Nonrepeatability	±0.25% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	20 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#28 AWG, 4 conductor braided shielded PVC cable 10 ft [3 m] long

Wiring Code	WC1
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MECHANICAL

Weight	9 oz (255 g)
Safe Overload	150% of RO
Material	Aluminum, red anodized
IP Rating	IP40

TEMPERATURE

Operating Temperature	-40 to 160°F [-40 to 72°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	±0.02% of RO/°F [0.036% of RO/°C]
Temperature Shift Span	±0.02% of Load/°F [0.036% of Load/°C]

CALIBRATION

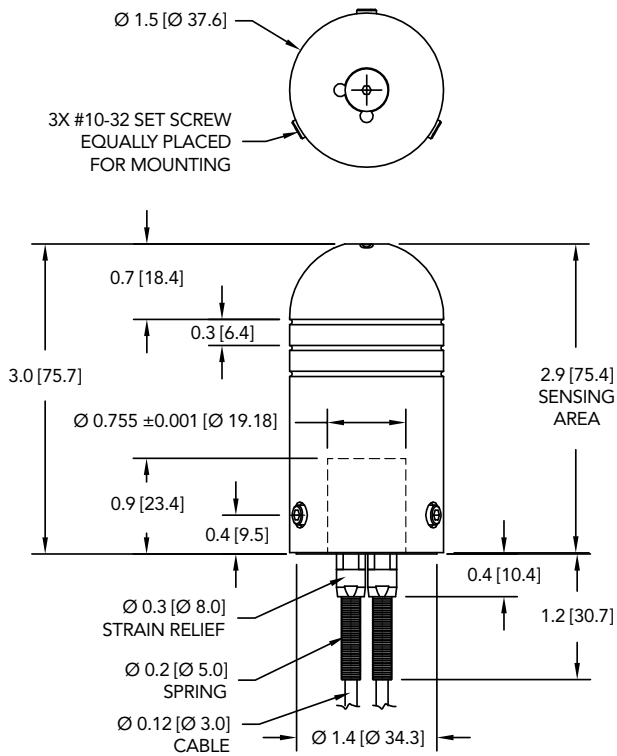
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	5-pt Compression and Tension
Shunt Calibration Value	60.4 kOhm



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DIMENSIONS inches [mm]

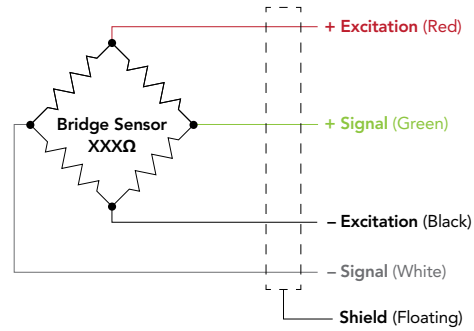


CAPACITIES

ITEM #	lb	N	Deflection (in) (Fx / Fy)	Natural Frequency (Hz)
FSH04423	100	445	0.009	600
FSH04424	200	890	—	—

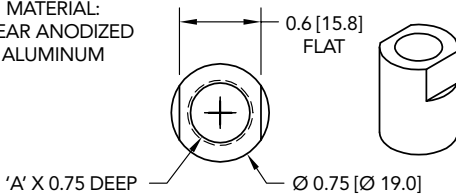
WIRING CODE (WC1 WITH SHIELD)

RED	+ EXCITATION
BLACK	– EXCITATION
GREEN	+ SIGNAL
WHITE	– SIGNAL
SHIELD	FLOATING

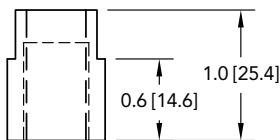


GEAR SHIFT ADAPTER ACCESSORIES

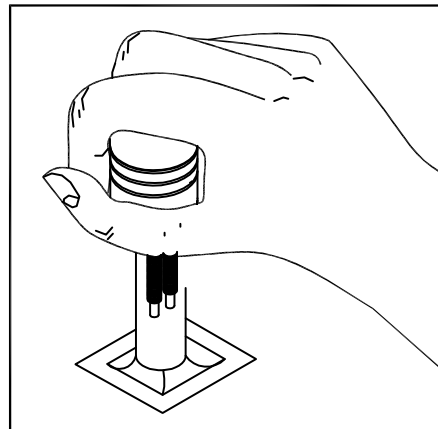
MATERIAL:
CLEAR ANODIZED
ALUMINUM



ITEM #	'A'
MCP01427	5/16-18
MCP01428	3/8-16
MCP01429	3/8-24
MCP01430	1/2-20
MCP01432	M10x1.25
MCP01473	M12x1.25



STICK SHIFT APPLICATION



Drawing Number: FI1506

FUTEK reserves the right to modify its design and specifications without notice.
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RoHS



U.S. Manufacturer