



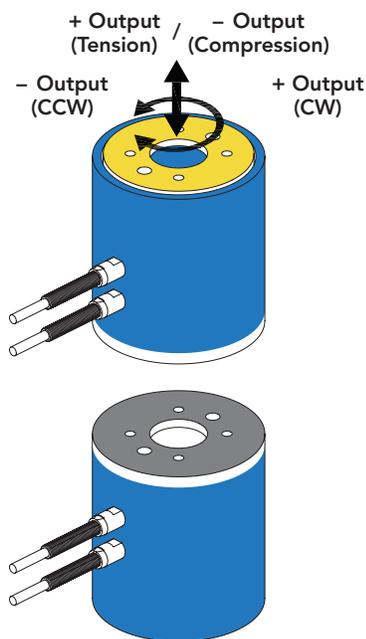
FEATURES

- Strain gauge based
- Stainless-steel construction
- Ideal for auditing the torque of aircraft control columns
- Ideal for propeller efficiency characterization

 Non-loading surface, do not contact

 Active End

 Fixed End



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.25% of RO
Hysteresis	±0.25% of RO
Nonrepeatability	±0.05% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#28 AWG, 4 conductor, braided shielded clear PVC cable, 10 ft [3 m] long
Wiring Code	WC1

MECHANICAL

Weight (approximate)	1.3 lb [590 g]
Safe Overload	150% of RO
Material	17-4 PH stainless-steel
IP Rating	IP40

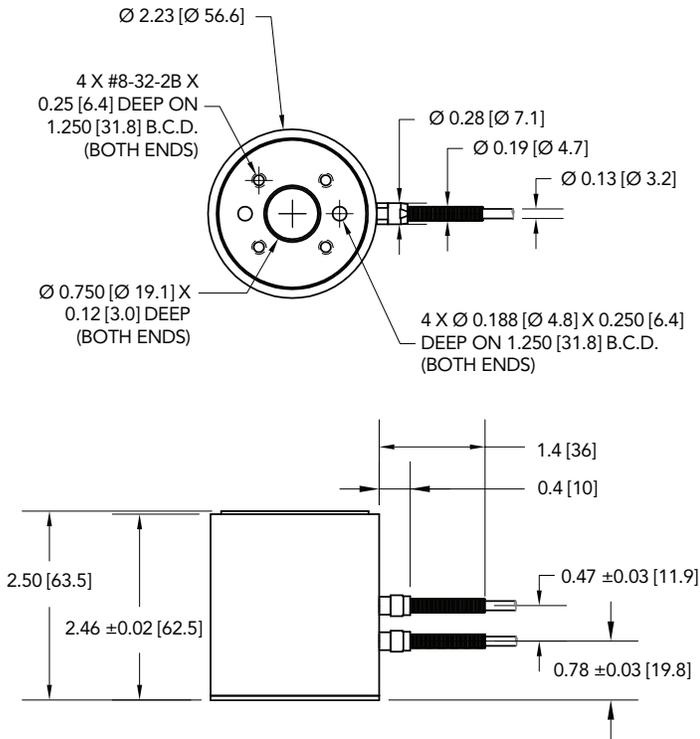
TEMPERATURE

Operating Temperature	-45 to 200°F (-42 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.005% of RO/°F (0.01% of RO/°C)
Temperature Shift Span	±0.005% of Load/°F (0.01% of Load/°C)

CALIBRATION

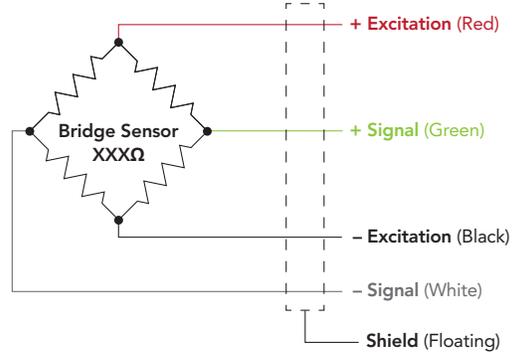
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Compression, CW
Calibration (available)	5-pt Tension and Compression, CCW and CW
Shunt Calibration Value	60.4 kOhm

DIMENSIONS inches [mm]



WIRING CODE (WC1 WITH SHIELD)

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



CAPACITIES

ITEM #	Load (lb)	Torque (in-lb)	Deflection (in) (Fz only)	Natural Frequency (Hz) (Fz only)
FSH00753	500	500	0.002	2254

Drawing Number: FI1195-E

FUTEK reserves the right to modify its design and specifications without notice. Please visit www.futek.com/salesterms for complete terms and conditions.

10 Thomas, Irvine, CA 92618 USA

Tel: (949) 465-0900

Fax: (949) 465-0905

www.futek.com



U.S. Manufacturer