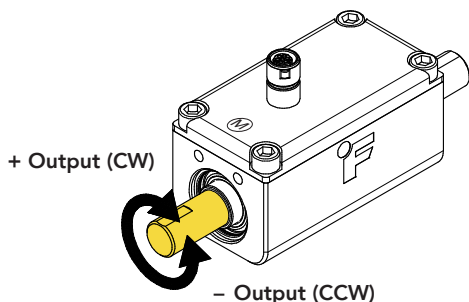




FEATURES

- 17mm x 17mm Compact Design face for side by side assembly
- Build-in TEDS
- Light Weight Design
- Low power consumption considering 1000 ohm bridge
- High accuracy
- Exceptional non-repeatability

 Active End



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.1% of RO
Hysteresis	±0.2% of RO
Nonrepeatability	±0.05% of RO
Rotational Speed	300 RPM Max

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation	10 VDC max
Bridge Resistance	1000 Ohm nom
Connection	FUTEK 7-pin receptacle

MECHANICAL

Weight	1 oz [28.3 g]
Safe Overload	150% of RO
Zero Balance	±3% of RO
Material	Shaft - Stainless Steel Housing - Aluminum 6061-T6
IP Rating	IP40

TEMPERATURE

Operating Temperature	14 to 194°F [-10 to +90°C]
Compensated Temperature	41 to 122°F [5 to 50°C]
Temperature Shift Zero	±0.01% of RO/°F [±0.018% of RO/°C]
Temperature Shift Span	±0.04% of LOAD/°F [±0.072% of LOAD/°C]

CALIBRATION

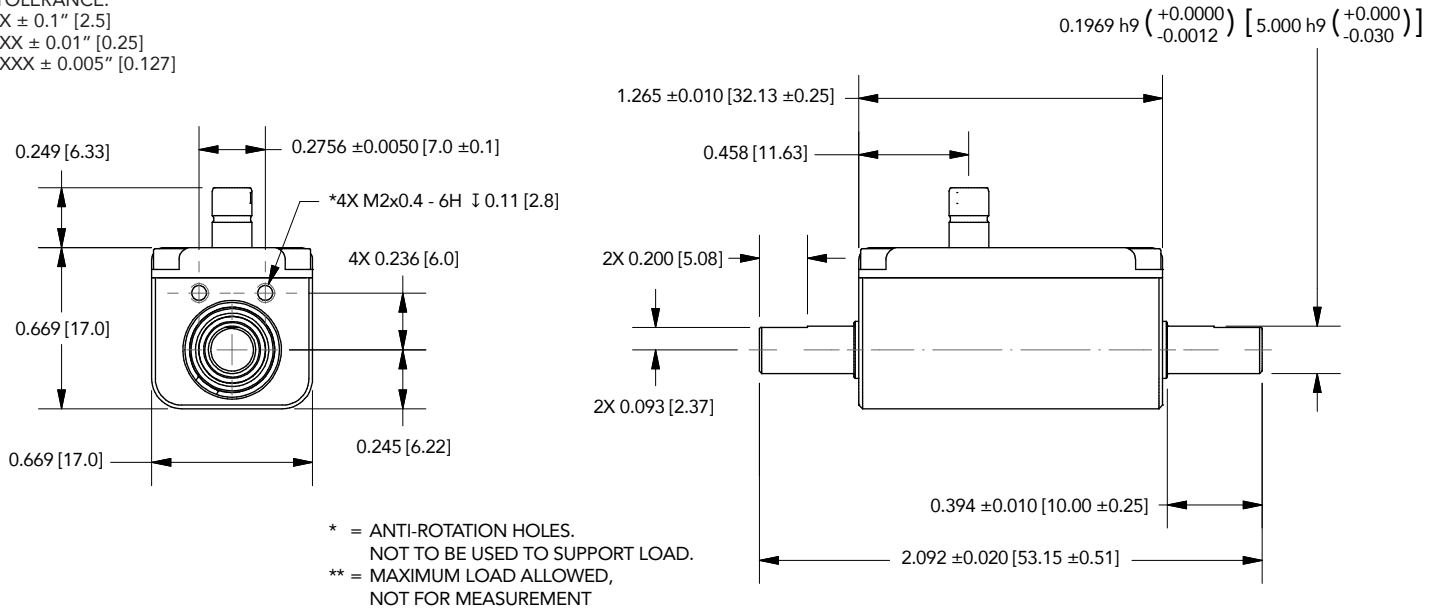
Calibration Test Excitation	5 VDC
Calibration (standard)	Certificate of Conformance
Calibration (available)	5-pt CW & CCW
Shunt Calibration Value	150 KOhm

CONFORMITY

RoHS	EU 2015/863
CE	Declaration of Conformity

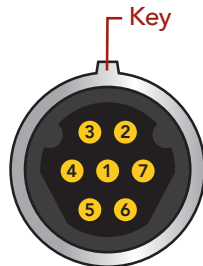
DIMENSIONS inches [mm]

TOLERANCE:
 .X ± 0.1" [2.5]
 .XX ± 0.01" [0.25]
 .XXX ± 0.005" [0.127]



WIRING CODE FUTEK 7-PIN CONNECTOR

PIN	DESCRIPTION	COLOR
1	- Excitation	Black
2	+ Signal	Green
3	+ Excitation	Red
4	- Signal	White
5	TEDS Ground	Blue
6	Not Connected	Yellow
7	TEDS Data	Violet



CAPACITIES

ITEM #	Capacity	** Max Axial Force lbf [N]	** Max Radial Force lbf [N]
QSH02148	1 N-m [8.851 in-lb]	36 [160]	100 [445]

Note: The max static axial & radial forces are calculated at 25°C [77°F]. Higher temperature conditions can potentially decrease calculated values.

Drawing Number: F11531

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

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RoHS



U.S. Manufacturer