



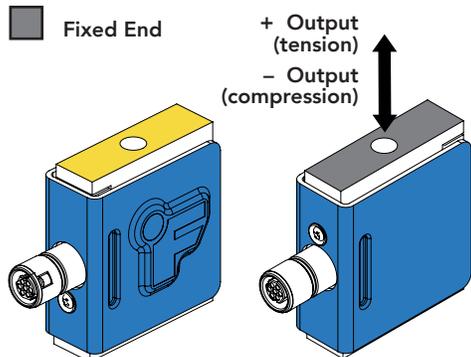
FEATURES

- Fatigue rated construction
- 200% to 1800% Built-in overload protection
- State of the art performance
- Vibration & shock resistance
- TEDs smart recognition
- Internal PT-1000 temp. sensor
- Detachable 7 Pin FUTEK receptacle

 Non-loading surface, do not contact

 Active End

 Fixed End



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.1% of RO
Hysteresis	±0.1% of RO
Nonrepeatability	±0.05% of RO

ELECTRICAL

Rated Output (RO)	1 mV/V nom (250 g) 2 mV/V nom (1 - 100 lb)
Excitation (VDC or VAC)	10 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	FUTEK 7-Pin Receptacle
Connector Code	CC18T

MECHANICAL

Weight (approximate)	0.3 oz [9 g]
Safe Overload	1800% of RO (250 g) 1000% of RO (1-25 lb) 200% tension only (50-100 lb)
Material	17-4 PH stainless-steel body, anodized cover
IP Rating	IP40
Vibration Resistance	20-2000 Hz, 0.01g ² /Hz per MIL-STD-810E
Shock Resistance	500 g per IEC60068-2-27

TEMPERATURE

Operating Temperature	-60 to 200°F [-50 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	±0.005% of RO/°F [0.009% of RO/°C]
Temperature Shift Span	±0.005% of Load/°F [0.009% of Load/°C]

LOAD CALIBRATION

Load Calibration Test Excitation	5 VDC
Load Calibration (standard)	5-pt Tension
Load Calibration (available)	5-pt Tension and Compression
Shunt Calibration Value	100 kOhm (250 g) 60.4 kOhm (1-100 lb)

RTD OUTPUT

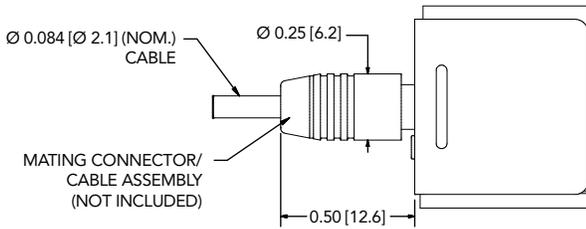
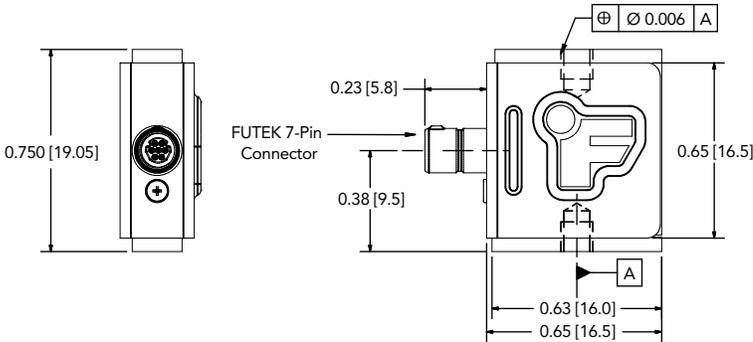
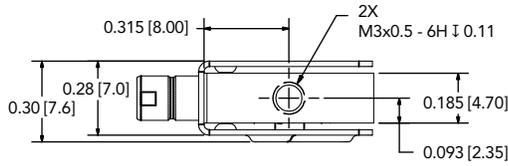
PT1000 Tolerance Class	F0.3 (Class B) = ± (0.3 + 0.005 x Temperature (°C))
Temperature Sensor Current Range	0.1 to 0.3 mA

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1
RTD Sensor	Compliant to DIN EN 60751

DIMENSIONS inches [mm]

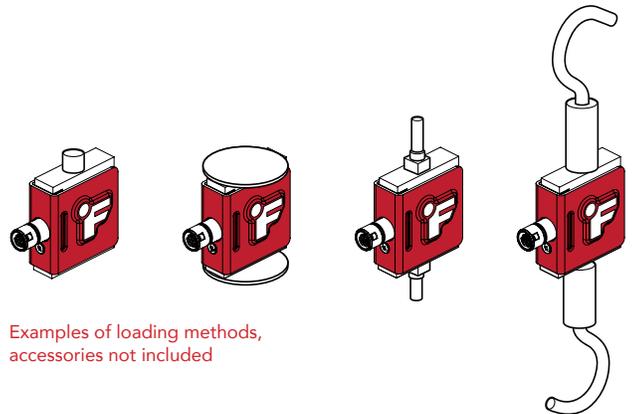
TOLERANCE:
 .X ± 0.1" [2.5]
 .XX ± 0.01" [0.25]
 .XXX ± 0.005" [0.127]



CAPACITIES

ITEM #	lb	N	Deflection (in)	Natural Frequency (Hz)
FSH04781	250 g	2.5	0.003	690
FSH04782	1	4.5	0.005	690
FSH04783	2	8.9	0.004	1180
FSH04784	5	22.2	0.003	2180
FSH04785	10	44.5	0.003	3010
FSH04786	25	111	0.003	5380
FSH04787	50	222	0.003	6620
FSH04788	100	445	0.004	8250

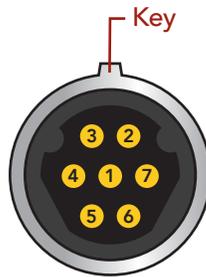
MOUNTING



Examples of loading methods, accessories not included

WIRING CODE FUTEK 7-PIN RECEPTACLE

PIN	DESCRIPTION	COLOR
1	- Excitation, TEDS GND	Black
2	+ Signal	Green
3	+ Excitation	Red
4	- Signal	White
5	RTD -	Blue
6	RTD +	Brown
7	TEDS DATA	Orange



Drawing Number: F11452-D

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RoHS



U.S. Manufacturer