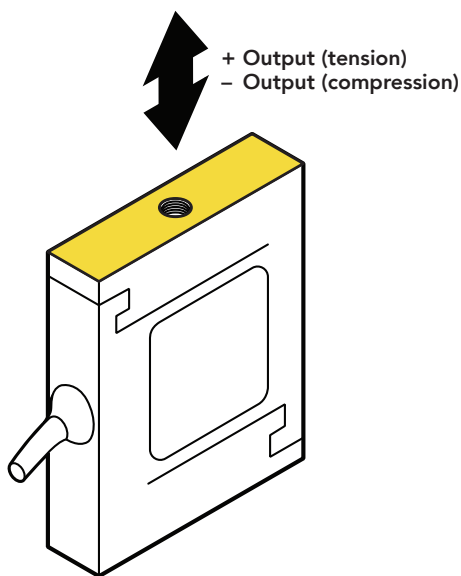




FEATURES

- Up to 10 times the overload protection
- Light weight
- Loads up to 100 lb (445 N)
- Miniature size

 Active end



SPECIFICATIONS

PERFORMANCE

Nonlinearity See chart on next page

Hysteresis See chart on next page

ELECTRICAL

Excitation (VDC) 10 max

Bridge Resistance 1000 Ohm nom (100 g),
350 Ohm nom

Insulation Resistance ≥ 500 MOhm @ 50 VDC

Connection #29 AWG, 4 conductor, spiral shielded silicone cable, 5 ft [1.5 m] long

Wiring/Connector Code WC1

MECHANICAL

Weight (approximate) 0.3 oz [9 g] (100 g–10 lb)
0.9 oz [26 g] (100 lb)

Safe Overload¹ 1000% of RO
200% of RO tension only (100 lb)

Material Anodized aluminum (100 g–10 lb),
17-4 PH stainless-steel (100 lb)

IP Rating IP68

Water Resistance Up to 50 ft in fresh water for less than one week

TEMPERATURE

Operating Temperature 0 to 160°F [-17 to 72°C]

Compensated Temperature 60 to 160°F [15 to 72°C]

Temperature Shift Zero $\pm 0.02\%$ of RO/°F [0.04% of RO/°C]

Temperature Shift Span $\pm 0.04\%$ of Load/°F [0.08% of Load/°C]

CALIBRATION

Calibration Test Excitation 5 VDC

Calibration (standard) 5-pt Tension

Calibration (available) Compression

Shunt Calibration Value 60.4 kOhm, 301 kOhm (100 g)

CONFORMITY

RoHS 2011/65/EU

CE EN61326-1:2006

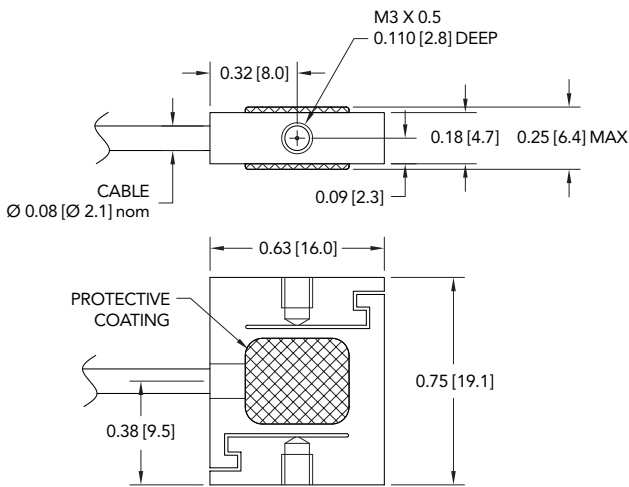
¹Sensor structure can handle high overloads but threads may limit overload at higher capacity



RoHS



DIMENSIONS inches [mm]



CAPACITIES

ITEM #	lb	N	RO (nom)	Non-Linearity	Hysteresis	Zero Return	Creep 10 mins
FSH03940	100 g	1	1 mV/V	3% RO	5% RO	3% RO	12% RO
FSH03941	2	8.9	2 mV/V	0.5% RO	1% RO	0.5% RO	1% RO
FSH03942	10	44.5	2 mV/V	0.2% RO	0.2% RO	0.2% RO	0.5% RO
FSH03943	100	445	2 mV/V	0.2% RO	0.2% RO	0.2% RO	0.2% RO

WIRING CODE (WC1)

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