



FEATURES

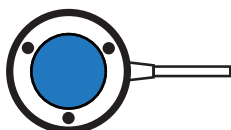
- Ultra low deflection
- Robust strain relief
- 17-4 PH stainless-steel construction
- For use in compression
- Utilizes metal foil strain gauge technology

 Non-loading surface, do not contact

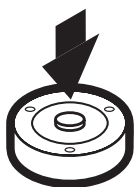
 Active End



Top view



Bottom view



+ Output (compression)

SPECIFICATIONS

PERFORMANCE

| | |
|------------------|-------------|
| Nonlinearity | ±0.5% of RO |
| Hysteresis | ±0.5% of RO |
| Nonrepeatability | ±0.1% of RO |

ELECTRICAL

| | |
|-------------------------|---|
| Rated Output (RO) | 2 mV/V nom |
| Excitation (VDC or VAC) | 18 max |
| Bridge Resistance | 350 Ohm nom |
| Insulation Resistance | ≥500 MOhm @ 50 VDC |
| Connection | #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long |

Wiring/Connector Code WC1

MECHANICAL

| | |
|----------------------|-------------------------|
| Weight (approximate) | 0.7 oz [20 g] |
| Safe Overload | 150% of RO |
| Deflection | See chart on next page |
| Material | 17-4 PH stainless-steel |
| IP Rating | IP64 |

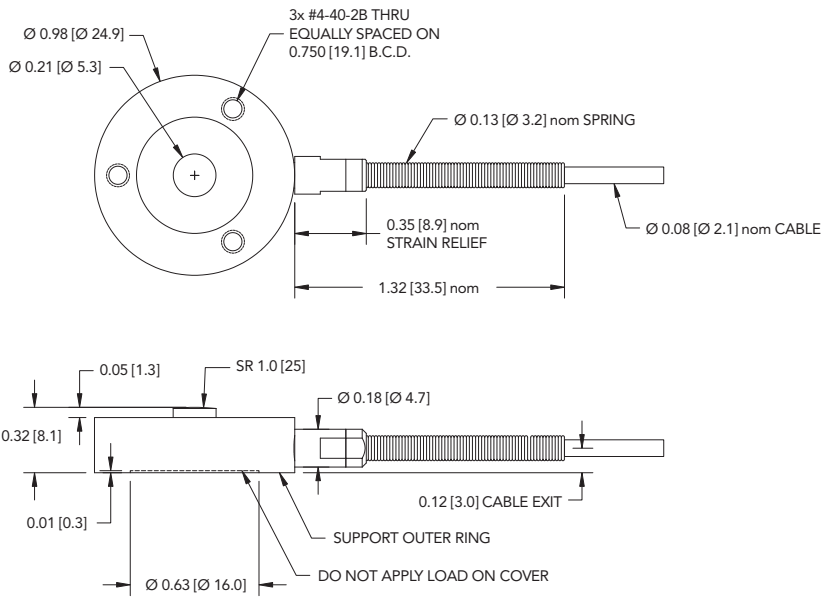
TEMPERATURE

| | |
|-------------------------|--|
| Operating Temperature | -60 to 200°F (-50 to 93°C) |
| Compensated Temperature | 60 to 160°F (15 to 72°C) |
| Temperature Shift Zero | ±0.01% of RO/°F (±0.018% 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 Compression |
| Shunt Calibration Value | 60.4 kOhm |

DIMENSIONS inches [mm]



WIRING CODE (WC1)

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

CAPACITIES

| ITEM # | lb | N | FZ Deflection (in) | Natural Frequency (Hz) |
|----------|-----|-----|--------------------|------------------------|
| FSH01046 | 25 | 111 | 0.0007 | 5300 |
| FSH01047 | 50 | 222 | 0.0005 | 8600 |
| FSH01048 | 100 | 445 | 0.0005 | 11700 |

Drawing Number: FI1054-C

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