

# FUTEK MODEL LLB505 (L1605)

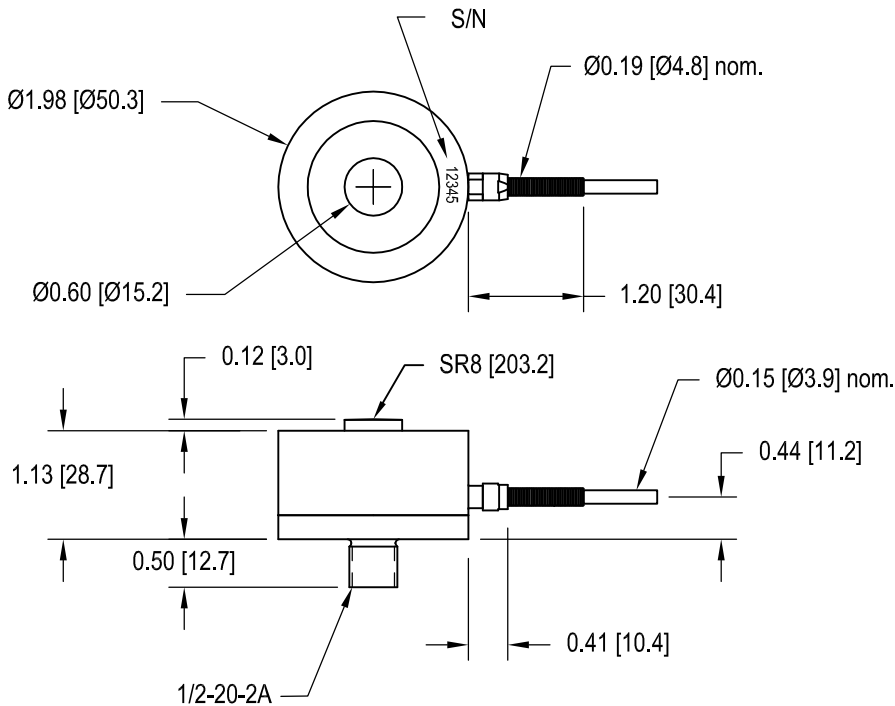
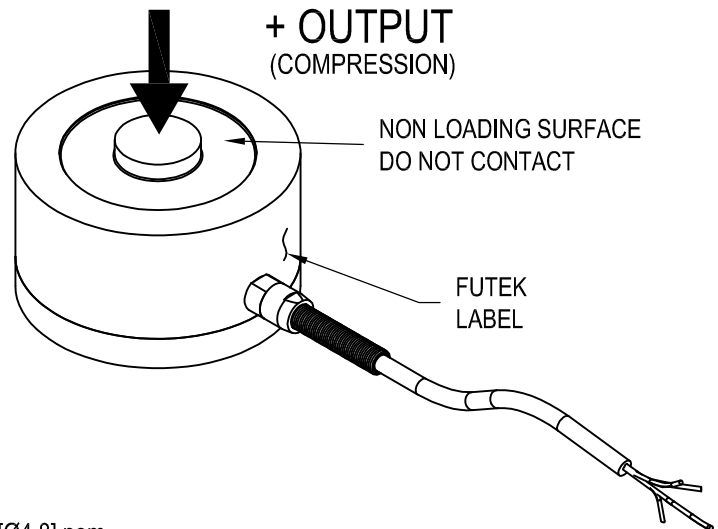
# MINIATURE LOAD BUTTON W/ THREADED STUD

Drawing Number: FI1191-A

INCH [mm] R.O.= Rated Output

WIRING CODE (WC1)

| +Excitation | -Excitation | +Signal | -Signal |
|-------------|-------------|---------|---------|
| RED         | BLACK       | GREEN   | WHITE   |
| Shield      |             |         |         |
| FLOATING    |             |         |         |



## SPECIFICATIONS:

|                                                                          |                                                   |
|--------------------------------------------------------------------------|---------------------------------------------------|
| RATED OUTPUT                                                             | 2 mV/V nom.                                       |
| SAFE OVERLOAD                                                            | 150% of R.O.                                      |
| ZERO BALANCE                                                             | ±3% of R.O.                                       |
| EXCITATION (VDC OR VAC)                                                  | 18 MAX                                            |
| BRIDGE RESISTANCE                                                        | 700 $\Omega$ nom.                                 |
| NONLINEARITY                                                             | ±0.5% of R.O.                                     |
| HYSTERESIS                                                               | ±0.5% of R.O.                                     |
| NONREPEATABILITY                                                         | ±0.1% of R.O.                                     |
| TEMP. SHIFT ZERO                                                         | ±0.01% of R.O./°F [0.018% of R.O./°C]             |
| TEMP. SHIFT SPAN                                                         | ±0.02% of LOAD/°F [0.036% of LOAD/°C]             |
| COMPENSATED TEMP.                                                        | 60 to 160°F [15 to 72°C]                          |
| OPERATING TEMP.                                                          | -60 to 200°F [-50 to 93°C]                        |
| DEFLECTION                                                               | 0.003 [0.08] nom.                                 |
| MATERIAL                                                                 | 17-4PH S.S.                                       |
| CABLE: #24 AWG, 4 Conductor, Braided Shield Teflon Cable 10 ft [3m] Long |                                                   |
| ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE                            |                                                   |
| CALIBRATION (STD)                                                        | 5 pt. COMPRESSION; 100K $\Omega$ SHUNT CAL. VALUE |
| CALIBRATION TEST EXCITATION                                              | 10 VDC                                            |

| CAPACITIES |     |        |
|------------|-----|--------|
| ITEM #     | lb  | N      |
| FSH00864   | 15k | 66720  |
| FSH00865   | 20k | 88960  |
| FSH00866   | 30k | 233440 |

**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

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