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TENSION AND COMPRESSION LOAD CELL **FUTEK MODEL L1652-Q10825** INCH (mm) R.O.= Rated Output +OUTPUT WIRING CODE(WC1) (TENSION) -Excitation +Signal +Excitation -Signal RED BLACK GREEN WHITE 0.9 0.563 FLATS - 0.8 Ø0.96 3/8-24-3B X 0.62 DEEP **KEYWAY PER NAS513** Ø0.65 0.17 0.056 1.19 0.96 0.30 2.34 0.025

SPECIFICATIONS:

1.13

RATED OUTPUT CAPACITY SAFE OVERLOAD ZERO BALANCE EXCITATION (VDC OR VAC) BRIDGE RESISTANCE NONLINEARITY HYSTERESIS NONREPEATABILITY TEMP. SHIFT ZERO TEMP. SHIFT SPAN COMPENSATED TEMP. OPERATING TEMP. WEIGHT MATERIAL (FLEXURE) CAPLE 26 AWC. 4 Conductor 1 mV/V nom. 1000, 2000 lb 150% of R.O. ±3% of R.O. 18 Max 1000 Ω nom ±1% of R.O. ±1% of R.O. ±0.5% of R.O. ±0.04% of R.O./°F ±0.04% of LOAD/°F -70 to 120°F -70 to 200°F approx 4 oz

3/8-24-3A

NOTES:

1.06

- 1) SENSOR TO BE CALIBRATED AT ROOM TEMPERATURE AND WILL ALSO BE TESTED AT -70° AND 120° F.
- 2) AT RATED CAPACITY WITH IN LINE LOADING IN TENSION OR COMPRESSION 26000 PSI STRESS (900 MICROSTRAIN) WILL OCCUR ON SENSOR.

KEYWAY PER NAS513

- 3) A FATIGUE LIFE OF 10,000,000 CYCLES WILL OCCUR IF UNDER THE FOLLOWING CONDITIONS.
- A) NOT TO EXCEED RATED CAPACITY
- B) IN-LINE LOADING IN TENSION OR COMPRESSION
- C) NO EXTRANEOUS LOAD, TORQUE, OR MOMENTS
- D) NO CONTINOUS SHOCK LOADING
- 4) ULTIMATE LOAD PRIOR TO MECHANICAL FAILURE 300 % OF RATED CAPACITY

MATERIAL (FLEXURE) 17-4PH S.S. HEAT TREATED CABLE: 26 AWG, 4 Conductor Shielded Teflon Cable, 10 ft Long

5) THE SENSOR WILL BREAK APART DUE TO MECHANICAL FAILURE

