FUTEK MODEL LCF506

FATIGUE RATED LOW PROFILE UNIVERSAL PANCAKE LOAD CELL
(Previously L2902)

1. DRAWING INFORMATION:
   - Drawing Number: Fl1181-A
   - R.O. = Rated Output
   - INCH [mm] R.O. = Rated Output

2. WIRING CODE (CC1):
   - +Excitation: RED
   - -Excitation: BLACK
   - +Signal: GREEN
   - -Signal: WHITE
   - +Sense: ORANGE
   - -Sense: BLUE
   - PIN 'C': PIN 'D'
   - PIN 'E': PIN 'F'

3. SPECIFICATIONS:
   - RATED OUTPUT: 2 mV/V nom.
   - SAFE OVERLOAD: 300% of R.O.
   - ZERO BALANCE: ±1% of R.O.
   - EXCITATION (VDC OR VAC): 20 MAX
   - BRIDGE RESISTANCE: 350 Ω nom.
   - NONLINEARITY: ±0.1% of R.O.
   - HYSTERESIS: ±0.2% of R.O.
   - NONREPEATABILITY: ±0.02% of R.O.
   - CREEP: ±0.02% of LOAD
   - TEMP. SHIFT ZERO: ±0.001% of R.O./°F [0.0018% of R.O./°C]
   - TEMP. SHIFT SPAN: ±0.002% of LOAD/°F [0.0036% of LOAD/°C]
   - COMPENSATED TEMP.: 60 to 160°F [15 to 72°C]
   - OPERATING TEMP.: -60 to 200°F [-50 to 93°C]
   - DEFLECTION: 0.002 to 0.005 [0.05 to 0.13] nom.
   - MATERIAL: 17-4PH S.S.
   - WEIGHT: 20 lb [9.1 kg]
   - CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)
   - ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE
   - CALIBRATION (STD): 5 pt COMPRESSION; 60.4 kN SHUNT CAL. VALUE
   - CALIBRATION (AVAILABLE): 5pt TENSION
   - CALIBRATION TEST EXCITATION: 10 VDC

4. OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS:
   - BENDIX RECEPTACLE (PCO4E-10-6P)
   - BENDIX MATING CONNECTOR (PCO6E-10-6S-SR)

5. REFERENCE:
   - REFER TO LCF501 FOR VERSION WITHOUT BASE PLATE
   - BASE PLATE
   - CAPACITY
   - Stock #
   - lb
   - kN
   - THREAD
   - FSH02989
   - 12,500
   - 55.6
   - 1 1/4-12
   - M33 X 2
   - FSH02990
   - 50,000
   - 218.0
   - 2 1/4-12
   - M33 X 2
   - FSH02960
   - 25,000
   - 111.2
   - 1 1/4-12
   - M33 X 2

6. OTHER INFORMATION:
   - This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK.