FUTEK MODEL LAU220 (L1055) SPIKE RESISTANT PEDAL FORCE SENSOR **Drawing Number: FI1048** WITH IMPROVED OFF CENTER LOADING INCH [mm] R.O.= Rated Output WIRING CODE (WC1) + OUTPUT (COMPRESSION) +Excitation -Excitation +Signal -Signal RED BLACK GREEN WHITE SR6.0 0.65 [16.5] 0.41 [10.4] STRAIN RELIEF Ø0.100 X 120° Ø2.58 [Ø65.5] KNURLED SURFACE CHAMFER FOR Ø1.0 CAL BALL TYPICAL APPLICATION DO NOT 4 X #6-32-2B X 0.13 [3.4] DEEP LOAD **EQUALLY SPACED ON SURFACE** 2.285 [58.0] B.C.D. HOSE CLAMPS (NOT INCLUDED) **MOUNTING PLATE** CSG110 (OPTIONAL) MODEL LAU220 INCLUDES STK# MCP00218. A SINGLE WORM DRIVE HOSE CLAMP CAN ALSO BE USED AS SHOWN STK# MCP01098 (ONE OF EACH) 100 KOHM SHUNT CAL. TOTAL WEIGHT 2 lb [0.9 Kg] MOUNTING PLATES (Aluminum, Clear Anodized) **CARRYING CASE** ROUND PLATE RECTANGULAR PLATE

<u>SPECIFICATIONS:</u>

2-3 mV/V nom. 150% of R.O. RATED OUTPUT SAFE OVERLOAD *±3% of R.O. ZERO BALANCE 20 MAX EXCITATION (VDC OR VAC) 700 Ω nom. BRIDGE RESISTANCE

OFF CENTER LOADING ±1% OR BETTER @ 0.625 FROM CENTER ±0.25% of R.O.

NONLINEARITY ±0.25% of R.O. **HYSTERESIS** ±0.1% of R.O. NONREPEATABILITY

±0.003% of R.O./°F [0.018% of R.O./°C] TEMP. SHIFT ZERO ±0.01% of LOAD/°F [0.018% of LOAD/°C] TEMP. SHIFT SPAN

COMPENSATED TEMP. 60 to 160°F [15 to 72°C] -60 to 200°F [-50 to 93°C] OPERATING TEMP.

16 oz [454 g] WEIGHT 17-4PH S.S. MATERIAL 0.006 [0.15] nom. **DEFLECTION**

CABLE: #24 AWG, 4 Conductor, Braided Shielded PVC Cable 10 ft [3 m]

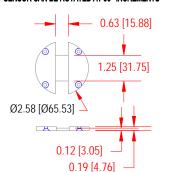
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE
CALIBRATION (STD) 5 pt. COMPRESSION; 100K Ω SHUNT CAL VALUE CALIBRATION (STD)

CALIBRATION TEST EXCITATION 10 VDC

*DUE TO WELDED CONSTRUCTION ZERO BALANCE MAY BE DONE AT CABLE END

CAPACITIES STK# MCP01098 STK# lb N FSH00240 300 1334 FSH00992 500

SENSOR CAN BE ROTATED AT 90° INCREMENTS - 0.63 [15.88]



SENSOR CAN BE ROTATED AT 45° INCREMENTS 3.600 [91.4] 0.525 [13.3] 2.500 0.600 [15.2] [63.5]

STK# MCP00218



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10 THOMAS IRVINE, CA 92618 USA 1-800-23-FUTEK (38835)

INTERNET: http://www.futek.com

0.240 [6.1]

0.115 [2.9]