FUTEK MODEL LAU220 SPIKE RESISTANT PEDAL FORCE SENSOR Drawing Number: FI1048-D WITH IMPROVED OFF CENTER LOADING INCH [mm] R.O.= Rated Output WIRING CODE (WC1) +Excitation **Excitation** +Signal -Signal BLACK WHITE **GREEN** RED Shield + OUTPUT (COMPRESSION) FLOATING SR6.0 KNURLED SURFACE -0.41 [10.4] STRAIN RELIEF S/N # -Ø0.1 X 120° 0.65 [16.5] Ø2.58 [Ø65.5] CHAMFER FOR Ø1.0 CAL BALL TYPICAL APPLICATION DIGITAL DISPLAY / R GRAPH (OPTIONAL) 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.

MODEL LAU220 INCLUDES (ONE OF EACH) TOTAL WEIGHT 2 lb [0.9 Kg] MOUNTING PLATE ITEM# MCP00218, ITEM# MCP01098 100 KOHM SHUNT CAL. CARRYING CASE

MOUNTING PLATES (Aluminum, Clear Anodized)

<u>SPECIFICATIONS:</u> **CAPACITIES** 2 mV/V nom. 150% of R.O. RATED OUTPUT ITEM# b Ν SAFE OVERLOAD FSH03184 300 1334 ZERO BALANCE *±3% of R.O. 20 MAX EXCITATION (VDC OR VAC) FSH02945 500 BRIDGE RESISTANCE 700 n nom. OFF CENTER LOADING ±1% OR BETTER @ 0.625 [15.9] FROM CENTER ±0.25% of R.O. **NONLINEARITY** ±0.25% of R.O. **HYSTERESIS** ±0.1% of R.O. NONREPEATABILITY TEMP. SHIFT ZERO ±0.003% of R.O./°F [0.018% of R.O./°C] ±0.01% of LOAD/°F [0.018% of LOAD/°C] TEMP. SHIFT SPAN 60 to 160°F [15 to 72°C] COMPENSATED TEMP. -60 to 200°F [-50 to 93°C] OPERATING TEMP. 16 oz [454 g] WEIGHT 17-4PH S.S. MATERIAL MATERIAL (MOUNTING PLATE). Aluminum Red Anodized after S/N: 395536 0.006 [0.15] nom. **DEFLECTION** CABLE: #24 AWG, 4 Conductor, Braided Shielded PVC Cable 15 ft [4.5 m] ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE CALIBRATION (STD) 5 pt. COMPRESSION; 100K \(\oldsymbol{\Omega} \) SHUNT CAL VALUE CALIBRATION (STD) CALIBRATION TEST EXCITATION 10 VDC *DUE TO WELDED CONSTRUCTION ZERO BALANCE MAY BE DONE AT CABLE END

(NOT INCLUDED)

A SINGLE WORM DRIVE

HOSE CLAMP CAN ALSO BE USED AS SHOWN

RECTANGULAR PLATE
ITEM# MCP00218

SENSOR CAN BE ROTATED AT 45° INCREMENTS

3.60 [91.4]

0.53

[13.3]

2.50

[63.5]

0.12 [2.9]

0.24 [6.1]

(OPTIONAL)

MODEL LAU200



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INTERNET: http://www.futek.com