**FUTEK MODEL LRF400 (L2338)**

**TENSION AND COMPRESSION IN LINE LOAD CELL W/ OVERLOAD PROTECTION**

**Drawing Number:** FL1040-C

**INCH [mm] R.O. = Rated Output**

**CONNECTOR CODE (CC4)**

<table>
<thead>
<tr>
<th>+Excitation</th>
<th>-Excitation</th>
<th>+Signal</th>
<th>-Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 1</td>
<td>PIN 4</td>
<td>PIN 2</td>
<td>PIN 3</td>
</tr>
</tbody>
</table>

**CABLE WIRING CODE (WC1)**

<table>
<thead>
<tr>
<th>+Excitation</th>
<th>-Excitation</th>
<th>+Signal</th>
<th>-Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED BLACK</td>
<td>BLACK GREEN</td>
<td>GREEN WHITE</td>
<td></td>
</tr>
</tbody>
</table>

**Shield**

**Floating**

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**CABLE VERSION (OPTIONAL)**

**KEY**
- RED DOT

**LEMO RECEPTACLE**
- EGG.0B.304.CLL
- *MATING CONNECTOR* FGG.0B.304.CLA035 (NOT INCLUDED)

**ADAPTER MATERIAL**
- ALUMINUM (10 g to 1 lb)
- S.S.(2,2 to 100 lb)
- #10-32 UNF-2B X 0.38 [9.7] DEEP

**WIRING CODE LABEL**

**MODEL**

**CAPACITY**

**SERIAL#**

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**SPECIFICATIONS:**

**RATED OUTPUT**
- 2 mV/V nom., 1 mV/V nom. (10 g)

**ZERO BALANCE**
- ±1% of R.O. (10 to 100 lb), ±3% of R.O. (10 g to 5 lb)

**EXCITATION** (VDC OR VAC)
- 18 max., 5 max (10 g)

**BRIDGE RESISTANCE**
- 1000 Ω nom.

**NONLINEARITY**
- ±0.05% of R.O., ±0.1% of R.O. (10 g)

**HYSTERESIS**
- ±0.05% of R.O., ±0.1% of R.O. (10 g)

**NONREPEATABILITY**
- ±0.05% of R.O., ±0.1% of R.O. (10 g)

**CREEP**
- ±0.005% of LOAD, ±0.2% of LOAD (10 g)

**TEMP. SHIFT ZERO**
- ±0.005% of LOAD/°F [0.01% of LOAD/°C]

**TEMP. SHIFT SPAN**
- ±0.005% of LOAD/°F [0.01% of LOAD/°C]

**COMPENSATED TEMP.**
- 60 to 160°F [15 to 72°C]

**OPERATING TEMP.**
- -60 to 200°F [-50 to 93°C]

**WEIGHT**
- 5 oz [140 g]

**DEFLECTION**
- 0.003 to 0.011 [0.07 to 0.28] nom.

**CONNECTOR:** 4 Pin LEMO Receptacle (EGG.0B.304.CLL)

**CABLE:** #28 AWG, 4 conductor braided shielded PVC cable, 10 ft [3 m] (optional)

**ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE**

**CALIBRATION (STD)**
- 5 pt COMPRESSION, 150kΩ SHUNT CAL. VALUE

**CALIBRATION (AVAILABLE)**
- TENSION

**CALIBRATION TEST EXCITATION**
- 10 VDC, 5 VDC (10g)

**ZERO BALANCE BASED ON SENSOR ORIENTED W/ S/N: FACING DOWN**

**MATERIAL**
- ALUMINUM, RED ANODIZE (HOUSING) AFTER S/N: 347692

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**ITEM #**

<table>
<thead>
<tr>
<th>Capacity (lb)</th>
<th>Capacity (N)</th>
<th>Safe Overload (lb)</th>
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</thead>
<tbody>
<tr>
<td>FSH01570</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td>FSH02259</td>
<td>0.25</td>
<td>1.1</td>
</tr>
<tr>
<td>FSH02260</td>
<td>0.50</td>
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<tr>
<td>FSH02261</td>
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<td>FSH02267</td>
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<td>445</td>
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