FUTEK MODEL LRF350 (L2320)  LOW PROFILE TENSION AND COMPRESSION LOAD CELL

Drawing Number: F11070-C
INCH [mm]  R.O. = Rated Output

CONNECTOR CODE (CC4)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>BLACK</td>
<td>GREEN</td>
</tr>
</tbody>
</table>

0.50 [12.7]
LOADING SURFACE (TOP & BOTTOM)

3/8-24-2B
X 0.33 [8.4]
BOTH ENDS

0.14 [3.5]

0.74 [18.8]
1.01 [25.7]

2 X 'A'

0.51 [12.9]

0.50 [12.7]

1.00 [25.4]

4 x R0.25 [R6.4]

S/N:  
FUTEK LABEL  
FUTEK WIRING LABEL

LEMO RECEPTACLE  
EGG.OB.304.CLL  
MATING CONNECTOR  
FGG.OB.304.CLAD35  
(NOT INCLUDED)

ITEM#  CAPACITY  A  B  L  MATERIAL  CABLE OPTION

<table>
<thead>
<tr>
<th>#</th>
<th>lb</th>
<th>N</th>
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<tbody>
<tr>
<td>FSH00083</td>
<td>150</td>
<td>667</td>
<td>0.16</td>
<td>0.35</td>
<td>1.74</td>
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<tr>
<td>FSH00077</td>
<td>200</td>
<td>890</td>
<td>0.14</td>
<td>0.36</td>
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<td>FSH00084</td>
<td>300</td>
<td>1334</td>
<td>0.12</td>
<td>0.39</td>
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<td>FSH00078</td>
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<td>2224</td>
<td>0.16</td>
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<td>FSH00085</td>
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<td>3336</td>
<td>0.14</td>
<td>0.36</td>
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<tr>
<td>FSH00079</td>
<td>600</td>
<td>4450</td>
<td>0.11</td>
<td>0.39</td>
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<td>FSH00086</td>
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<td>0.40</td>
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<td>FSH00080</td>
<td>800</td>
<td>6690</td>
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<td>0.41</td>
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<td>FSH00087</td>
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<td>7810</td>
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<td>0.42</td>
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<td>FSH00881</td>
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<td>8930</td>
<td>0.11</td>
<td>0.43</td>
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</table>

CABLE OPTION (#C1)

+Excitation  -Excitation  +Signal  -Signal

|  |  |  |  |  |
|---|---|---|---|
| RED | BLACK | GREEN | WHITE |

SPECIFICATIONS:

RATED OUTPUT: 2 mV/V nom.
SAFE OVERLOAD: 150% of R.O.
ZERO BALANCE: ±1% of R.O.
EXCITATION (VDC OR VAC): 18 MAX
BRIDGE RESISTANCE: ±0.1% of R.O.
NONLINEARITY: ±0.1% of R.O.
HYSERESIS: ±0.05% of R.O.
NONREPEATABILITY: ±0.05% of R.O.
CREEP: ±0.05% of LOAD
TEMP. SHIFT ZERO: ±0.005% of R.O./°F[0.01% of R.O.°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]
MATERIAL (FLEXURE): SEE CHART
MATERIAL (COVER): ALUMINUM, Red Anodized After Sn/Sn-400511
DEFLECTION: 0.0020/0.05] nom.
CONNECTOR: LEMO 4 Pin Receptacle (EGO.B.304.CLL)
CABLE: #28 AWG, 4 Conductor, Spiral Shielded PVC Cable 10 ft [3 m] Long
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE
CALIBRATION (STD): 5 pt. TENSION; 80.4 kN. SHUNT CAL. VALUE
CALIBRATION (AVAILABLE): COMPRESSION
CALIBRATION TEST EXCITATION: 10 VDC

FUTEK ADVANCED SENSOR TECHNOLOGY, INC.

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