INSTALLATION DIMENSIONS

Compression Load Primary Axis

Mounting Holes

Mounting Surface

| DIMENSION       | A   | B   | C   | D   | E   | F   | G   | H   | I   | J   | K   |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SSB-2500        | 1½  | 8   | 1¼  | 3¼  | ¾   | 2.50| 3.88| 17/32| 1/16| 1-3/16| 1/2 |
| SSB-5000        |     |     |     |     |     |     |     |     |     |     |     |     |
| SSB-10000       | 2   | 9¼  | 1¼  | 4¼  | ¾   | 2.63| 4.88| 17/32| 11/16| 1-3/16| 1/2 |
|                 |     |     |     |     |     |     |     |     |     |     |     |     |

<table>
<thead>
<tr>
<th>MOUNTING SCREWS</th>
<th>MOUNTING SCREWS</th>
<th>LOAD SCREWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCREW SIZE</td>
<td>LENGTH [min]</td>
<td>MIN SCREW GRADE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SIZE</td>
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<tr>
<td>1/2</td>
<td>2¼</td>
<td>5</td>
</tr>
<tr>
<td>12</td>
<td>2¼</td>
<td>8</td>
</tr>
<tr>
<td>12</td>
<td>2¼</td>
<td>8</td>
</tr>
</tbody>
</table>

Mounting Instructions: Fasten securely to a flat rigid surface with screws and torques per table.

Mounting surface to be machined, finish 125 or better, flat within .001 T.I.R.

*For 300% Ultimate Load Capacity

ELECTRICAL INFORMATION

SSB Series 2500, 5000 and 10,000 lb. capacities provided with a 6-conductor shielded cable (AWG 22) 10 ft. (3m) long.

Wiring Color Code complies with ISA S37.8 "Specifications and Tests for Strain Gage Force Transducers" and SMA Load Cell Terminology.

APPLICATION NOTES

1. The Sealed SuperBeam load cell is specifically designed for outdoor use and can be used in scale pits, batching plants or other locations directly exposed to the weather. SSB-2500 is made of Anodized Aluminum, SSB-5000 and 10000 are made of High Strength Steel Alloy and are electroless nickel plated.

2. Please exercise caution while handling and installing these load cells. Application of a force equaling more than 150% of range will result in irreparable damage.

PERFORMANCE DATA

Nominal Output - mV/V ................................................. 3
Input Resistance-ohms ........................................... 350+50/-3.5
Output Resistance-ohms ......................................... 350±3.5
Recommended Excitation-VDC ..................................... 10
Non-Linearity-% Rated Output ................................. <±0.02
Hysteresis-% Rated Output .................................. <±0.02
Temp. Range Compensated-°F ................................. (-15 to 65°C) 0 to 150
Temperature effect on zero-% Rated Output/100°F ...... <±0.15
Zero Balance-% Rated Output ................................ <±1

WARRANTY & CERTIFICATION STATEMENT ON OTHER SIDE

SEALED SUPERBEAM LOAD CELL

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