5. MINOR VOIDS, SCARS, SCRATCHES AND MOUNTING BLEMISH/WITNESS MARKS ON EXTERIOR SURFACES ARE ALLOWED DUE TO RESTRAINING AND HANDLING DURING TESTING, TRANSPORT OR PROCESSING. THESE APPEAR AS INDICATORS THAT DO NOT AFFECT FORM, FIT OR FUNCTION AS INTENDED BY DESIGN OR APPLICATION.

MARKING DENOTES LOCATION OF SENSING ELEMENT'S CENTER OF MASS

2. WEIGHT: 38 GRAMS, MAX.
1. MATERIAL: TITANIUM ALLOY.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED:
- REMOVE BURRS.
- COUNTERSINK INTERNAL THDS 90' TO MAJOR DIA.
- THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
- CHAMBER TO SHAFT. EXCEPT AS INDICATED.
- DIMENSIONS APPLY AFTER FINISHING.
- ALL MACHINED SURFACES.
- TOTAL RUNOUT WITHIN .005.
- BREAK SHARP EDGES .005 TO .010.
- WELDING SYMBOLS PER AWS 42.4.
- ABBREVIATIONS PER MIL-STD-12.
2X FLAT WASHERS, MODEL 6754, SUPPLIED

2X MOUNTING SCREW, MODEL 6753A1 (8-32 x 1.0), SUPPLIED
2X MOUNTING SCREW, MODEL 6687A1 (M4 x 0.7 x 25mm), SUPPLIED

RECOMMENDED MOUNTING PREPARATION:
PREPARE FLAT MOUNTING SURFACE EQUAL TO OR BETTER THAN 0.001 TIR.
TAP 8-32 UNRC-3B .200 MIN. (OR 2X M4 X 0.7-6g .20 [5.1] MIN.)
RECOMMENDED TORQUE 10-12 LB-IN. (1.12-1.35 N-m).

1/4-28 UNF-2B

1/4-28 UNF-2A

(M6 X 1)

STUD, MODEL 6691,
1/4-28 UNF-2A TO M6 X 1, SUPPLIED

RECOMMENDED MOUNTING PREPARATION: MODEL 6366
PREPARE MOUNTING SURFACE, Ø 1.25 [31.2] MIN. FLAT TO .001 TIR.
TAP 1/4-28 UNF-2B \( \leq .200 \) [5.1] MIN. TORQUE TO 12-15 Lb-in.

RECOMMENDED MOUNTING PREPARATION: MODEL 6691
PREPARE MOUNTING SURFACE, Ø 1.25 [31.2] MIN. FLAT TO .001 TIR.
TAP M6 X 1 \( \leq .200 \) [5.1] MIN. TORQUE TO 12-15 Lb-in.
<table>
<thead>
<tr>
<th>Model</th>
<th>Input Range (g)</th>
<th>Frequency Response, ±3dB (Hz)</th>
<th>Sensitivity, ±5% (mV/g)</th>
<th>Max. Shock (0.1ms) g (peak)</th>
<th>Noise Differential (μg/√Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7503D1</td>
<td>±2</td>
<td>0-400</td>
<td>2,000</td>
<td>2000</td>
<td>7</td>
</tr>
<tr>
<td>7503D2</td>
<td>±5</td>
<td>0-500</td>
<td>800</td>
<td>2000</td>
<td>12</td>
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<tr>
<td>7503D3</td>
<td>±10</td>
<td>0-1000</td>
<td>400</td>
<td>5000</td>
<td>18</td>
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<tr>
<td>7503D4</td>
<td>±50</td>
<td>0-2000</td>
<td>80</td>
<td>5000</td>
<td>50</td>
</tr>
<tr>
<td>7503D5</td>
<td>±100</td>
<td>0-2500</td>
<td>40</td>
<td>5000</td>
<td>100</td>
</tr>
<tr>
<td>7503D6</td>
<td>±200</td>
<td>0-3000</td>
<td>20</td>
<td>5000</td>
<td>200</td>
</tr>
<tr>
<td>7503D7</td>
<td>±400</td>
<td>0-4000</td>
<td>19</td>
<td>5000</td>
<td>400</td>
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<tr>
<td>7503D8</td>
<td>±5(±X,Y), ±25(±Z)</td>
<td>0-500(±X,Y), 0-1400(±Z)</td>
<td>800(±X,Y), 160(±Z)</td>
<td>2000</td>
<td>12(±X,Y), 25(±Z)</td>
</tr>
<tr>
<td>7503D9</td>
<td>±5(±X,Y), ±25(±Z)</td>
<td>0-500(±X,Y), 0-2000(±Z)</td>
<td>800(±X,Y), 80(±Z)</td>
<td>2000</td>
<td>12(±X,Y), 5(±Z)</td>
</tr>
</tbody>
</table>

**Supplied Accessories:**

1. Accredited calibration certificate (ISO 17025)
2. Mounting stud, Model 6360, 1/4-28 UNF-2A, Qty 1
3. Mounting stud, Model 6691, 1/4-28 UNF-2A to M6 x 1, Qty 1
4. Mounting screws, Model 6753A1, 8-32 x 1.0, Qty. 2
5. Mounting screws, Model 6687A1, M4x0.7 x 25mm, Qty. 2
6. Flat washers, Model 6754, Qty. 2

**Notes:**

[1] Single ended sensitivity is half of values shown. (Ref. at 100 Hz)
[2] -90% to +90% of Full Scale.
[3] Over the rated temperature range.
[4] In the interest of constant product improvement, we reserve the right to change specifications without notice.