**Typical Transducer Specifications**

- **Tension Range**: Supplied to Customer's requirements.
- **Contact Elements**: To fit application.
- **Operating Temperature**: 70 ± 25 F. (Special ranges available)
- **Connecting Terminals**: 5 pin Amphenol plug or terminated ends.
- **Excitation Voltage**: 4-10 VDC.
- **Bridge Resistance**: 350 ohms nominal.
- **Output Signal**: 1.0 - 2.0 mV/v nominal.
- **Resistance to Ground**: Exceeding 500 Megaohms.
- **Zero Balance**: Less than 1.5% FS
- **Drift at Midpoint**: 0.2%
- **Noise Level**: Less than 0.2%
- **Linearity**: 0.5%
- **Combined Linearity & Hysteresis**: ± .75%
- **Total Error**: 1% FS
- **Overload Tension**: 50% Overated
- **Shielded Cable**: 10" standard length.

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**Revision History**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Rev.</th>
<th>Description</th>
<th>Date</th>
<th>Approval</th>
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**Material**

- **ALUMINUM**

**Finish**

- **CLEAR ANODIZE**

**Heat Treat**

**Weight**

**TITLE**

- **TYPICAL SMALL SPACE TRANSUDER WITH 3" FACEPLATE AND 1" CYLINDRICAL ROLLERS**

**DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED**

<table>
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<th>.XXX</th>
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<td>± .0005</td>
<td>± .005</td>
<td>± .01</td>
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**Scale**: 1:1.5

**Number Required**: No. Req'd

**Checked**: Date

**Approved**: Date

**Drawn**: SHS

**Date**: 6-22-07

---

**NOTE 1.** ADJUSTMENT TO RAISE OR LOWER OUTSIDE ROLLER POSITION ALLOWING USER TO INCREASE OR DECREASE MATERIAL WRAP ANGLE.

**NOTE 2.** STANDARD, MAXIMUM TENSION RANGES OF 1,000 AND 5,000 GRAMS. CUSTOM RANGES AND ROLLER CONFIGURATIONS AVAILABLE.

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**TENSITRON**

733 South Bowen Street
Longmont, CO  80501

**Size**

<table>
<thead>
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