MeriTREK – TR Evaluation Kit A convenient solution to quickly assess the TR Series pressure sensor

FEATURES

- Stainless steel housing (1/4”NPT connection)
- TR-Series face seal ready
- Easy to handle (fixing screw)
- Valid reliability test support
- Suggested temperature range: 0..85°C
- 1..35bar gage/absolute pressure range supported (TR-Series)
- HNBR O-ring (interchangable for different media)
- TR-Series final application design-in suggestion (sealing)
- Enjoy all TR-Series features without any external components
- TR-Series TR1-0100A-001 (included)
The TR Series pressure transducer is a rugged, direct-media pressure monitoring solution designed for today’s toughest pressure sensing environments.

The TR Series pressure transducer is a fully compensated, amplified output pressure sensor package combining Merit Sensor’s Sentium process harsh media MEMS piezoresistive die with state-of-the-art pressure sensor ASIC signal management.

### Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
<th>Notes</th>
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<tbody>
<tr>
<td><strong>Electrical</strong></td>
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<tr>
<td>Supply Voltage (Vdd)</td>
<td>4.5</td>
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<td>5.5</td>
<td>Volts</td>
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<td>Supply Current</td>
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<td>Output Current</td>
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<td>Short Circuit Current</td>
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<td>mA</td>
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<td>Reverse Polarity Protection</td>
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<td>Device will cease operation during supply voltage fault.</td>
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<td>ESD</td>
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<td>kV</td>
<td>Human body model 1.5kΩ/100pF.</td>
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<td><strong>Performance</strong></td>
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<td>Output Range (Vout)</td>
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<td>95</td>
<td>%Vdd</td>
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<td>Resolution</td>
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<td>%FS</td>
<td>Accuracy includes all error for hysteresis and linearity over the entire operating temperature range. It does not include lifetime drift.</td>
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