The TDH30 Series
Low Cost OEM Pressure Transducer

APPLICATIONS
- Hydraulic / Mobile Hydraulic
- Pneumatic Systems
- Food and Beverage Industry
- Pumps and Compressors
- Energy and water management
- Construction and Agricultural Equipment

DESCRIPTION
The TDH30 Series Pressure Transducer utilizes piezoresistance technology in an all stainless steel body. It is compact in size, has long term stability, ease of installation and is very economical as well as reliable.

The TDH30 sets a new price-performance standard for low cost, high volume commercial and industrial applications.

FEATURES
- 3 to 10,000 psi Range
- Various Outputs
- Compact Design
- 316 Stainless steel Housing
- Low Cost
- Industrial 1% Accuracy
- Custom Outputs and Ranges Available
- OEM Tested and Approved
- Low power consumption

ELECTRICAL CONNECTIONS
**SPECIFICATIONS**

**Performance @ 25°C (77 °F)**

- **Accuracy**: 1% FS, BFSL (includes non-linearity, hysteresis and non-repeatability)
- **Stability**: 0.2% FS
- **Thermal Error**: 1% FS
- **Compensated Temperatures**: -10 to 75 °C (14 to 167 °F)
- **Operating Temperatures**: -20 to 80 °C (-4 to 176 °F)
- **Current Consumption**: Approx 4mA for 0-5 & 0.5-4.5 voltage output, 11mA for 0-10 voltage output, 23mA for current output (4-20mA)
- **Zero and Span Offset Tolerance**: 1.5%
- **Shock**: 50g, 11ms, 1/2 sign
- **Vibration**: 11g peak from 10 to 400 Hz
- **Reverse Polarity Protection**: Yes

**Mechanical Configuration**

- **Pressure Port**: 1/4 NPT (standard) *
- **Electrical Connection**: 9.4 mini DIN, 3 pin Packard *
- **Ingress Rating**: IP65 with T-Direct standard 9.4 DIN cable, IP66 with T-Direct standard Packard cable
- **Housing**: 316 stainless steel
- **Diaphragm Material**: 3-75psi = 316 SS, >75-1600psi = ceramic, >1600-10,000psi = 17-4 SS
- **Sealing Material**: Neoprene
- **Approvals**: CE

**FOR BEST PERFORMANCE USE SHIELDED CABLES.**

**ORDERING**

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<th>Output</th>
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<th>Pressure Range</th>
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<tr>
<td>TOX030</td>
<td>B</td>
<td>B</td>
<td>0-200psi</td>
<td>03 = 1/4&quot; NPT Male **</td>
<td>D00 = 4 pin Mini 9.4 DIN</td>
<td>4 = 1% **</td>
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<tr>
<td></td>
<td>C</td>
<td>G = Gauge</td>
<td>0-200psi</td>
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**= Consult factory for further OEM options**

**Pressure ranges and outputs listed above are quick ship versions.**

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Transducers Direct web site, it is up to the customer to determine the suitability of the product in the application.