The M5200 series compact industrial pressure transducer features a modular design and offers maximum flexibility for different configurations.

Pressure Transducer Sensor Type: Industrial Pressure Transducers
Pressure Range: 0 - 50 to 15000 psi
Pressure: 3.5 bar, 7 bar, 10 bar, 20 bar, 35 bar, 70 bar, 200 bar, 350 bar, 500 bar, 700 bar, 1000 bar
Output/Span: .5 - 4.5 V, .5 - 4.5 V Ratiometric, 0 - 10 V, 0 - 5 V, 1 - 5 V, 1 - 6 V, 4 - 20 mA
Pressure Transducer Type: Compound, Gage, Sealed

This industrial pressure transducer sets a new price performance standard for demanding commercial and heavy industrial applications.

The M5200 series compact industrial pressure transducer is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids. The wetted material is made of either 17-4 PH or 316L stainless steel and the transducer’s durability is excellent with no O-rings, welds or organics exposed to the pressure media. The M5200 pressure transducer is weatherproof and exceeds the latest heavy industrial CE requirements including surge protection. The circuit is protected from reverse wiring at input and short circuit at output. This pressure transducer is geared to the OEM customer for low to mid volumes. TE stands ready to provide a custom design of the M5200 where the volume and application warrants. Additional configurations not listed are either available or possible. Please inquire for further information.

Benefits
- Heavy Industrial CE Approval
- 10 V/m EMI Protection
- Reverse Polarity Protection on Input
- Short Circuit Protection on Output
- ±0.25% Accuracy
- ±1.0% Total Error Band
- Compact Outline
- -40°C to +125°C Operating Temperature
- Weatherproof
- Variety of Pressure Ports and Electrical Configurations
- Optional Stainless Steel Snubber
- Gage, Sealed, Compound

### Applications
- Industrial Process Control and Monitoring
- Advanced HVAC Systems
- Refrigeration Systems
- Automotive Test Stands
- Off-Road Vehicles
- Pumps and Compressors
- Hydraulic/Pneumatic Systems
- Agriculture Equipment
- Energy Generation and Management

#### Piezo-resistive Pressure Sensor Technology Webinar (English)

TE Connectivity (TE) Sensor Solutions Senior Product Development Engineer Hai Mei discusses the various benefits and applications of Microfused technology in this webinar.

### Features

#### Product Type Features

<table>
<thead>
<tr>
<th>Pressure Transducer Sensor Type</th>
<th>Industrial Pressure Transducers</th>
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<td>Pressure Transducer Type</td>
<td>Compound, Gage, Sealed</td>
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</table>

#### Configuration Features

<table>
<thead>
<tr>
<th>Electrical Connection</th>
<th>Amp, Bayonet, Cable 1 m, Cable 10 ft, Cable 10 m, Cable 2 ft, Cable 2 m, Cable 3 ft, Cable 4 ft, Cable 5 m, Hirschmann A1 A2 A3, Hirschmann C, M12, Packard B, Packard</th>
</tr>
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<tbody>
<tr>
<td>Pressure Port/Fitting</td>
<td>1/4 FBSP, 1/4 MBSP, 1/4 MBSP, 1/4 MBSP, 1/4 MNPT, 1/8 MNPT, 7/16-20 UNF Female, 7 /16-20 UNF Female with Integral Valve, 7 /16-20 UNF Male Buna-N, G1/4 B2351</td>
</tr>
</tbody>
</table>
## Compact Industrial Pressure Transducer

**TE Model #** M5200  
**TE Internal #:** CAT-PTT0013

Male, G1/4 DIN 3852 Gasket Male, G3/8  
B2351 Male, M10x1 Male, M12x1.5 Male,  
M14x1.5 Male, M20x1.5 Male

### Electrical Characteristics

| Pressure Transducer Supply Voltage (V) | 12 - 30, 5 ± 0.25, 5 - 30, 8 - 30, 9 - 30 |

### Body Features

| Port Material | 17-4PH, 316L |

### Dimensions

| Dimensions (mm) | 24 x 24 x 82 |
| Dimensions (in) | .94 x .94 x 3.23 |

### Usage Conditions

| Pressure (bar) | 3.5, 7, 10, 20, 35, 70, 200, 350, 500, 700, 1000 |
| Pressure (psi) | 50, 100, 200, 300, 500, 1000, 3000, 5000, 7000, 10000, 15000 |
| Operating Temperature Range (°C) | -40 - 125, -40 - 125 |
| Operating Temperature Range (°F) | -40 - 257, -40 - 257 |

### Operation/Application

| Overpressure | 2X Rated |
| Pressure Range | 0 - 50 to 15000 psi |
| Output/Span | .5 - 4.5 V, .5 - 4.5 V Ratiometric, 0 - 10 V, 0 - 5 V, 1 - 5 V, 1 - 6 V, 4 - 20 mA |
| Pressure Transducer Accuracy | ±0.25% FSO |

### Other

| Options | Adhesive Label, Laser Marking, No Snubber, Oxygen Clean B40.1 Level IV, With Snubber |

### Related Materials

**Specification Or Standard**  
**Pressure Transducer Installation Guidelines**  
**English**

**Specification Or Standard**  
**5200 5300 Installation_Manual**  
**English**

**Data Sheet**  
**M5200**  
**English**
Compact Industrial Pressure Transducer
TE Model #: M5200
TE Internal #: CAT-PTT0013

Specification Or Standard
5200 5300 Installation Manual
Chinese (Simplified)

Also in the Series | MEAS M5200