



## Measurement Solutions 3000 Series Pressure Transducers mV/V Output



### Pressure measurement ranges (PSI):

Vacuum to 0; 0 to : 5; 15; 100; 200; 300; 500; 1K; 3K; 10K (others ranges available).  
Reference: Gauge, Compound, or, Sealed Gauge.

### Specifications:

Excitation: 8-12 VDC.

Output: 0-2 to 0-3 mV/V (depending on range).

#### Accuracy:

+/- 0.25% FS for ranges up to 200 PSIG

+/- 0.50% FS for ranges 300 PSIG and above

Proof-Pressure: 150% FS, or 13K PSI (whichever is less).

Response Time: 10 mSec. (other options available).

Thermal Effects: Zero / Span shift: 0.83%FS / 100 F (over 32 to +158 F).

Operating Temp Range: -40 to 186 F.

Fatigue Life: 100 Million Cycles.

Vibration: 40G max to 1000 Hz.

Shock: 50G max / 11 mSec (MIL-STD-202, M213, Cond. G).



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**Pressure port:**

Thread: 1/4" NPT Male (other ports available);  
Wetted materials: Stainless Steel / Ceramic / FKM (Viton) O-Ring.

**Electrical:**

1.5M: Cable Gland (Color Code: + Excit = RED; - Excit = BLACK; + Signal = GREEN; - Signal = WHITE).  
M12: Standard M12 circular  
SDN: Standard DIN, with screw terminals - DIN 43650;  
mDN: Mini DIN, with screw terminals - mini DIN 43650;  
(other connections available).

**Dimensions:**

2.25" max length (4.25" max length including pressure port & mating connector) x 1.02" diameter.

**Ordering Information:**

MSPT30-[range][reference]-[output]-[fitting]-[electrical]-[option1]-[option2]

Example 1: 200 PSI range, Gauge reference, mV/V output,  
1/4" NPT Male pressure port, Cable with gland, and, 0.25% error band:  
P/N: MSPT30-200PG-mV

Example 2: 3,000 PSI range, Gauge reference, mV/V VDC output,  
1/4" NPT Male pressure port, Cable with gland, and, 0.50% error band, and,  
with Calibration Report:  
P/N: MSPT30-3KPG-mV-C

Example 3: 10,000 PSI range, Gauge reference, mV/V output,  
7/16-20 Female pressure port, mini-Din connector, 0.50% error band, and,  
with Calibration Report:  
P/N: MSPT30-10KPG-mV-7/16F-mDN-C

**Please make Purchase Order, and, REMIT to:**

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