

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; 20K; 30K (others available).

Reference: Gauge, Compound, or, Sealed Gauge.

Specifications:

Excitation: 10 VDC maximum.

Output: 3 mV/V FS nominal (1.0 to 3.5 mV/V FS depending on range – see Calibration Report for actual).

Accuracy: +/- 0.25% FS, or, +/- 0.5% FS

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

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

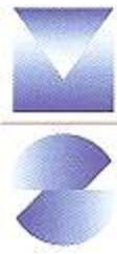
Thermal Effects: Zero / Span shift: 0.83%FS / 100 F (over 32 to +158 F).

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).



**Measurement
Solutions LLC**

SENSORS • TRANSDUCERS • CONTROL SYSTEMS • DATA ACQUISITION • SIGNAL CONDITIONING • CALIBRATION EQUIPMENT

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<http://www.MEASOL.com>

Pressure port:

Thread: 1/4" NPT Male (other ports available);
HF4 Female (1/4" OD Tubing 9/16-18 w/ 60 Flare);
SAE-04 Female (J512 1/4" OD Tubing 7/16-20 45 Flare);
Wetted materials: (depending on range and options selected).
MSPT30 : Stainless Steel / Ceramic / FKM (Viton™) O-Ring;
MSPT30S : Stainless Steel (one piece housing and diaphragm, no o-ring);
MSPT30W: Stainless Steel (welded housing and diaphragm, no o-ring);
MSPT30H : Hastelloy 276 (one piece housing and diaphragm, no o-ring).

Electrical:

1.5M: Cable Gland (Color Code: + Excit = RED; - Excit = BLACK; + Signal = BLUE; - Signal = WHITE).
M12: Standard M12 circular (12mm diameter, male);
B6: 6-pin Bayonet Connector (mates with PT06x-10-6S);
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" max 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, 1.5-meter long integral Cable with gland, and, 0.25% error band:
P/N: MSPT30-200PG-mV-14NM-1.5M-0.25-C

Example 2: 10,000 PSI range, Sealed-Gauge reference, mV/V output,
1/4" NPT Male pressure port, 1.5-meter long integral Cable with gland, and, 0.25% error band:
P/N: MSPT30S-10KPG-mV-14NM-1.5M-0.25-C

Example 3: 30,000 PSI range, Gauge reference, mV/V output, Hastelloy 276 wetted parts;
HF-4 pressure port, 6-pin Bayonet connector (special Wiring), 0.25% error band
P/N: MSPT30H-30KPG-mV-HF4-B6(SW)-0.25-C

Please make Purchase Order, and, REMIT to:

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