

Measurement Solutions

MSPT3000 “High Pressure” Transducers

Amplified, or Non-Amplified Output



Pressure measurement ranges (PSI):

0 - 10000; 0 - 15000; 0 - 20000; 0 - 30,000; (other ranges available).

Reference: Sealed Gauge (sealed at 14.7 PSI).

Specifications:

Excitation: 9-36 VDC (10 VDC Max for mV/V; 12-36 VDC for 0-10 VDC / 4-20 mA).

Output: 0-5 VDC; 0.1-5 VDC; 0.5 - 4.5 VDC; 1-5 VDC; 0-10 VDC; 4-20 mA; mV/V.

Accuracy: +/- 0.25%FS (0.5%FS Max) (RSS non-linearity, non-repeatability, hysteresis).

Response Time: 50 mSec max.

Thermal Effects: Zero / Span shift: 0.83%FS / 100 F (over -40 to +221 F).

Fatigue Life: 100 Million Cycles.

Vibration: 40G max to 1000 Hz.

Pressure port:

Thread: HF-4 Female (9/16-18 UNF); G-1/2 Male; (other ports available).

Wetted materials:

'S' : One-piece Stainless Steel;

'H' : One-piece Hastelloy C276.

Electrical:

1.5M: Standard unit comes with 1.5 meter long integral cable;

B6: Bayonet connector, 6-pin (mates with PT06-10-6S);

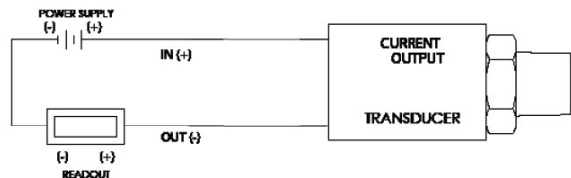
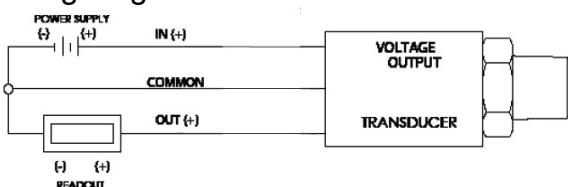
SDN: DIN, with screw terminals – DIN 43650;

MDN: Mini DIN, with screw terminals - mini DIN 43650;

M12: 12mm, 4-pin, Circular Connector;

(other connectors available).

Wiring diagram:



Dimensions:

2.64" long (not including electrical connection) x 1.07" diameter.

Ordering Information:

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

Example 1: 0-5 VDC output, 20,000 PSI range, Stainless Steel wetted parts,
 G-1/2 Male pressure port, Mini-DIN connector with mate, and 0.25% Error band.

P/N: MSPT30S-20KPG-05V-G12M-MDN-0.25%

Example 2: mV/V output, 30,000 PSI range, Hastelloy C276 wetted parts,
 HF-4 Female pressure port, 6-pin Bayonet Connector, 0.25% Error band, & Cal Report.

P/N: MSPT30H-30KPG-mV-HF4-B6-0.25%-C

Details subject to change without notice.