

Measurement Solutions

MSPT30 “High Pressure” Transducers

Amplified, or Non-Amplified Output / 0.25% Error band



Pressure measurement ranges (PSI):

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).

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 (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: G-1/2 Male; HF4 Female (9/16-18 UNF); (other ports available).

Wetted materials: One-piece Stainless Steel.

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;

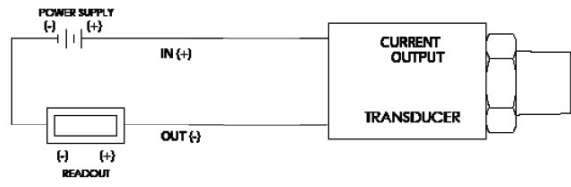
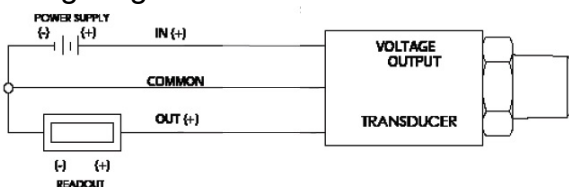
M12: 12mm, 4-pin, Circular Connector;



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(other connectors available).

Wiring diagram:



Dimensions:

2.64" long (not including electrical connection) x 1.02" diameter.

Ordering Information:

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

Example 1: 0-5 VDC output, 20,000 PSI range, Sealed Gauge reference,
G-1/2 Male pressure port, Mini-DIN connector with mate, and 0.25% Error band.
P/N: MSPT30-20KPG-05V-G12M-MDN-0.25

Example 2: 1.5 mV/V output, 30,000 PSI range, Sealed Gauge reference,
G-1/2 Male pressure port, 1.5 meter integral cable, 0.25% Error band, & Cal Report.
P/N: MSPT30-30KPG-mV-HF4-B6-C

Pricing: 1-9 \$595 each; 10-24 \$495 each; 25-49 \$395.00 each.

Add \$25 each for Calibration Report.

Delivery: 4-6 weeks after receipt and approval of PO.

Payment Terms: Net 30 days OAC, PayPal, or, Credit Card

Please make Purchase Order, and, REMIT to:

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Details subject to change without notice.