

Measurement Solutions PT30 Series Pressure Transducers Amplified Output / 0.25% Error band



Pressure measurement ranges (PSI):

Vacuum; 5; 15; 30; 50; 150; 300; 500; 1K; 3K; 5K; 10K; 20K (other ranges available).
Reference: Absolute, Gauge, Compound, or, Sealed Gauge.

Specifications:

Excitation: 9-36 VDC (12-36 Vin for 0-10 Vout; 5 Vin for 0.5-4.5 Vout);
Output: 0-5 VDC; 0.5 - 4.5 VDC; 0-10 VDC; 4-20 mA;
Static Error Band: +/- 0.25% FS (zero, span, linearity, repeatability, & hysteresis);
Response Time: 1 mSec;
Thermal Effects: Zero / Span shift: 0.83%FS / 100 F (over 32 to 158 F);
Operating Temp Range: -40 to 176 F
Fatigue Life: 100 million cycles;
Vibration: 40G max to 1000 Hz;
Proof-Pressure: 150% (Optional 200 or 300%);
Burst-Pressure: 200% (Optional 300 or 500%).

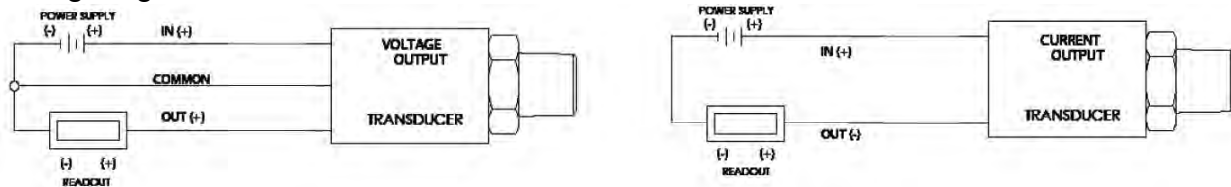
Pressure port:

14NM: 1/4" NPT Male (Optional 1/8" NPT, 7/16-UNF, G1/4, etc...).
Wetted materials: Stainless Steel, FKM (Viton®) o-ring
(Options: Welded SS, 1-piece SS, Ceramic, Hardened Aluminum, etc...).

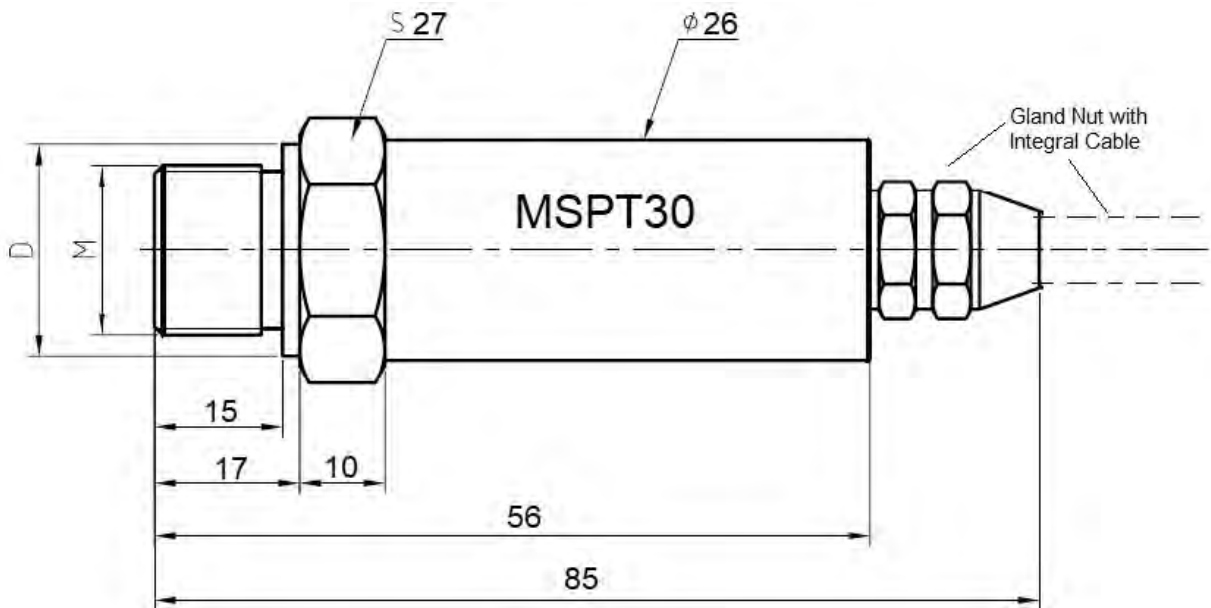
Electrical:

SDN: Standard DIN, with screw terminals - DIN 43650;
MDN: Mini DIN, with screw terminals - mini DIN 43650;
M12: Circular, 12 mm diameter;
B6: Bayonet connector, 6-pin (mates with PT06-10-6S);
1.5M: Cable Gland. Color Code: Red +Power, Blue +Signal, Yellow/White Common;
(other connectors available).

Wiring diagram:



Dimensions:



Ordering Information:

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

Example 1: 0-5 VDC output, 10000 PSI range, Sealed Gauge reference,
 1/4" NPT Male pressure port, Mini-DIN connector, 0.25% error band, Cal Report:
 P/N: MSPT30-10KPSG-05V-14NM-MDM-0.25-C

Example 2: 4-20 mA output, -14.7 to +50 PSI range, Compound reference,
 1/4" NPT Male pressure port, 1.5 meter long cable, and, 0.25% error band:
 P/N: MSPT30-50PC-420A-14NM-1.5M-0.25

Make Purchase Order to:
 Measurement Solutions
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 Mesa, AZ 85215-7716