

Measurement Solutions PT20eco Economical Series Submersible Pressure Transducers Amplified Output / 0.5% Error band



Pressure measurement ranges (PSI):

0-2; 0-5; 0-10; 0-15; 0-25; 0-50; 0-100 (other ranges available).
Reference: Gauge (vented to atmosphere thru Vent Tube in cable).

Pressure measurement ranges (Feet of Water / H₂O):

0-3; 0-6; 0-12; 0-24; 0-36; 0-69; 0-90; 0-160 (other ranges available).
Reference: Gauge (vented to atmosphere thru Vent Tube in cable).

Specifications:

Ingress Protection: IP68 (long-term submersion);
Excitation: 9-36 VDC;
Output: 4-20 mA (Options: RS485/Modbus; SDI-12);
Static Error Band: +/- 0.5% FS (zero, span, linearity, repeatability, & hysteresis);
Response Time: 1000 mSec;
Thermal Effects: Zero / Span shift: 0.5%FS / 60 F (over +30 to +90 F);
Operating Temp Range: 20 to +140 F;
Stability: 0.2%FS / year;
Fatigue Life: 10 million cycles;
Vibration: 40G max to 1000 Hz;
Proof-Pressure: 150% (Optional 200 or 300%);
Burst-Pressure: 200% (Optional 300 or 500%).

Pressure port / Housing:

Plastic Nose Cone: PVC (options: PUR; PTFE; FEP; etc...);
Internal Seal: FKM (Viton). (Options: Welded (no o-ring); FFKM (Kalrez); etc...);
Housing material: 304 Stainless steel;
Internal Sensor material: 316 Stainless steel.

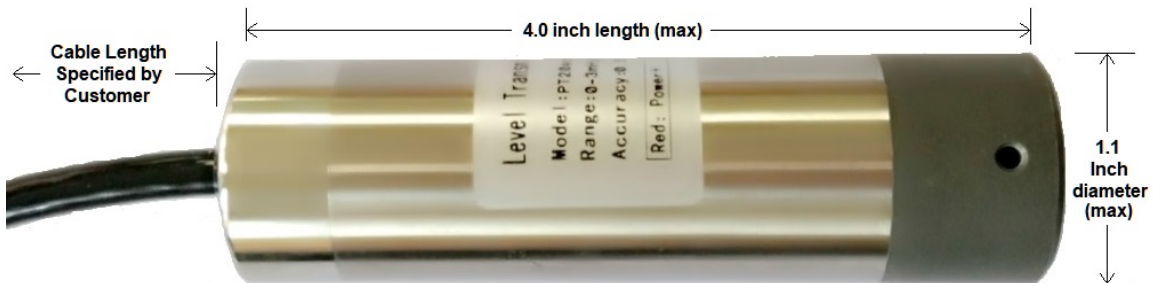
Electrical:

Submersible Cable: 2-wire, with shield / drain wire, and Vent Tube;
 xxM: xx = length of cable in Meters (Options: xxFT = length in Feet).

Wiring diagram:



Dimensions:



Ordering Information:

MSPT20eco-[range][units]-[output]-[cable length] [length units]-[Ingress Protection Rating]-[options]

Example 1: 4-20 mA output over 0-5 PSI range, with 50 feet of PUR cable:

P/N: MSPT20eco-5PSI-4/20mA-50Feet-IP68.

Example 2: 4-20 mA output over 0-15 feet of water column, with 30 meters of cable:

P/N: MSPT20eco-15FtH2O-4/20mA-30Meters-IP68.

Make Purchase Order to:

Measurement Solutions
 6042 E Vermillion Cir
 Mesa, AZ 85215-7716