Max Machinery, Inc. an ISO 9001:2008 certified company

Model POO1 Piston Flow Meter (Analog) 0.005 to 200 cc/min

SPECIFICATIONS

Flow Range	0.005 to 200 cc/min – dependent on viscosity
Accuracy (3 cP)	\pm 0.2% of reading over a 200:1 range, or
	\pm 2mV (or 4µA), whichever is greater
Maximum Operating Pressure	500 bar (7250 psi)
Displacement	0.3 cc/rev
Weight	0.9 kg
Recommended Filtration	5 micron
Port Size(s)	1/4" or 6mm tube fitting
Fluids	Most non aqueous, organic liquids
Dimensions	Ø 57mm x 90mm tall (Ø 2.3" x 3.5" tall)



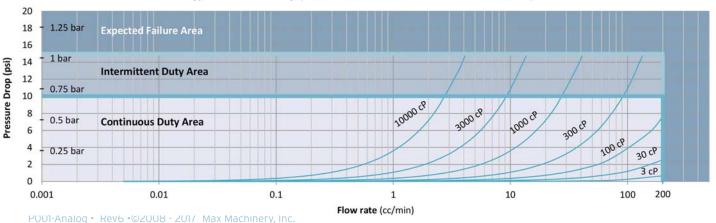
MATERIALS OF CONSTRUCTION

Body	Case hardened stainless steel, type 316
Pistons	Case hardened stainless steel, type 316
Crankshaft	Stainless steel, type 316
Bearings	Hybrid - ceramic balls with enhanced corrosion resistant stainless steel
O Rings	Viton ^{®-} standard, Perfluoroelastomer - option

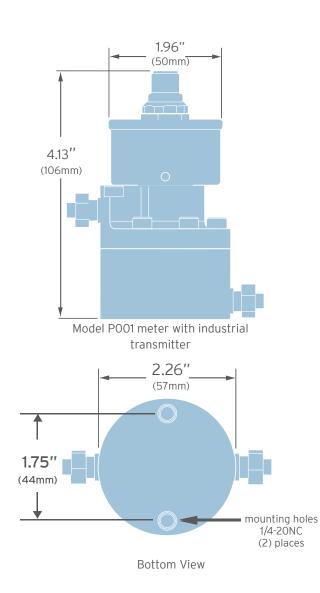
ANALOG TRANSMITTER

Output Signal	Any range of \pm 10V or \pm 20mA Linearized and damped with anti-dither protection
Power Supply Requirements	Two Models: 12Vdc @ 90 mA, 24Vdc @ 45 mA
Ambient Operational Range	-40°C to 80°C, Single piece – Two piece to 110°C
Metered Liquid Temp Range (based on 20° ambient)	-40°C to 90°C, Standard model -40°C to 155°C, Two piece high temperature model -40°C to 225°C, Two piece, ultra high temperature model
Compliance	CE Certified, Ex-proof version available with ATEX/IECEx II 2 G Ex db IIB Tx Gb as well as UL, cUL certification for Class 1, Division 1, Groups C and D, Tx

Typical Pressure Drop (Delta P versus flow rate for various viscosities)



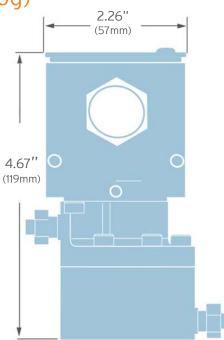
Model POO1 Piston Flow Meter (Analog)



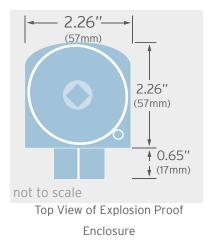
ELECTRICAL CONNECTION – ANALOG TRANSMITTERS

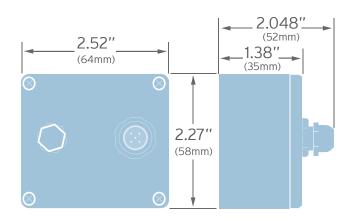
4 3 5		Turck® Connector	
1 2	PCA Label	Pin #	Mating Cable Wire Color
Power *	$\vee +$	1	Brown
Common	Com	4	Black
Signal Output (+)	Sig	5	Grey
Signal Output (–)	Ret	2	White
Case Ground	Case	3	Blue

* Please specify 12Vdc or 24Vdc operation



Model POO1 meter with Explosion Proof transmitter

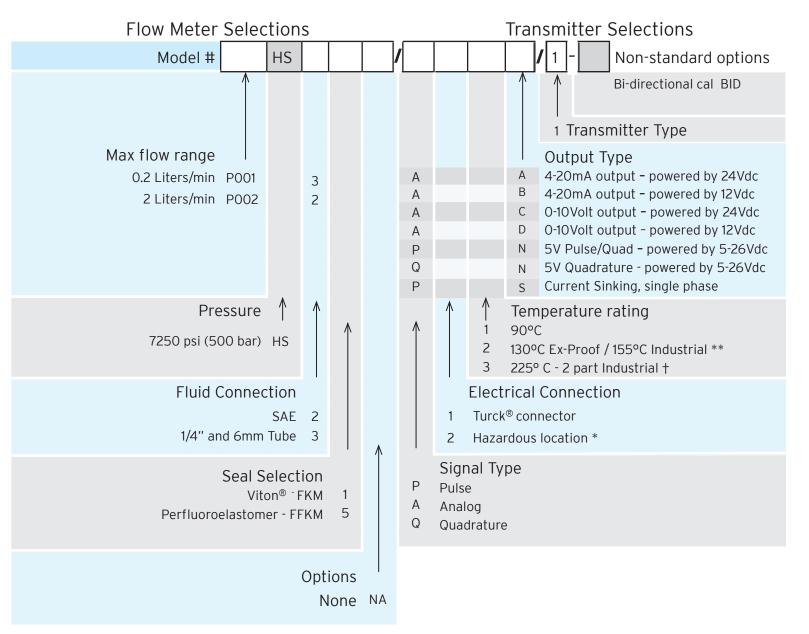




REMOTE PCA ENCLOSURE FOR HIGH TEMPERATURE TRANSMITTERS (2 meter interconnect cable, not shown)

Max Machinery, Inc. maxmachinery.com 33A Healdsburg Avenue Healdsburg, CA 95448 **T** +1 707.433.2662 **F** +1 707.433.1818

Positive Displacement Flow Meters Piston Type, 7250 psi (500 bar) rated



Calibration

Price includes unidirectional calibration

* See temp chart

** Receiver portion of 2 part transmitters are not rated Ex-Proof, consult factory

+ Not available for hazardous location use. (Exceeds 130°C temp. limit.)