

Model P002 Piston Flow Meter (Analog) 0.5 cc/min to 2000 cc/min

SPECIFICATIONS

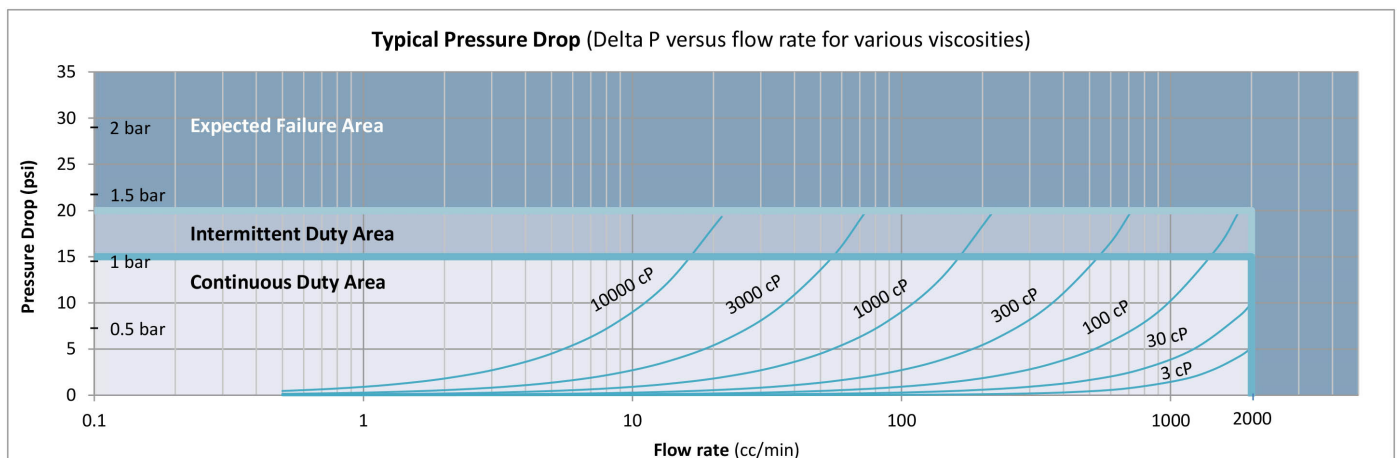
Flow Range	0.5 cc/min to 2000 cc/min
Accuracy (at 3 cP)	± 0.2% of reading over a 200:1 range, or ± 2mV (or 4µA), whichever is greater
Maximum Operating Pressure	500 bar (7250 psi)
Displacement	1 cc/rev
Weight	1.9 kg
Recommended Filtration	10 micron
Port Size(s)	#4 SAE
Fluids	Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

Body	Stainless steel, type 303
Pistons	Stainless steel, type 17-4
Bearings	All ball bearings, 440C stainless steel
Seals	Viton®- standard, Perfluoroelastomer - optional

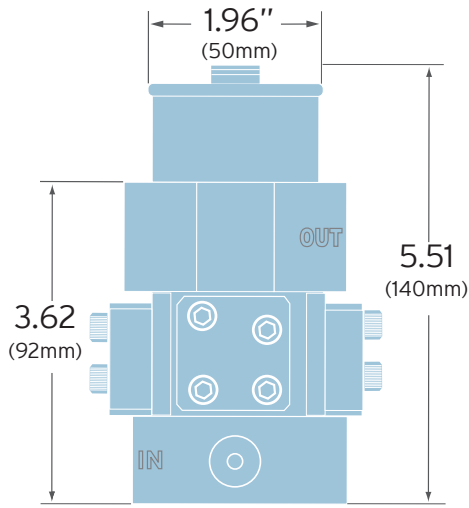
ANALOG TRANSMITTER

Output Signal	Any range of ± 10V or ± 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 d IIB Tx Gb as well as UL, cUL certification for Class 1, Division 1, Groups C and D, Tx

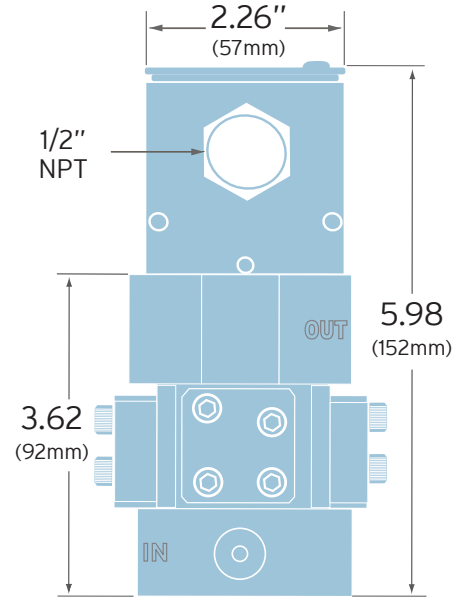


Model P002 Flow Meter (Analog)

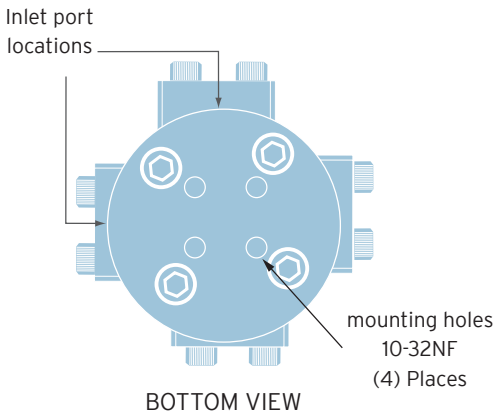
CONNECTIVITY/DIMENSIONS (Not to scale)



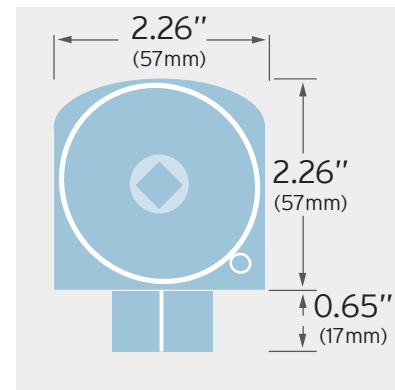
MODEL P002 WITH INDUSTRIAL HOUSING TRANSMITTER



MODEL P002 WITH EX-PROOF HOUSING TRANSMITTER

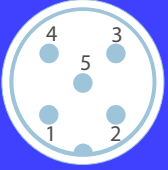


BOTTOM VIEW

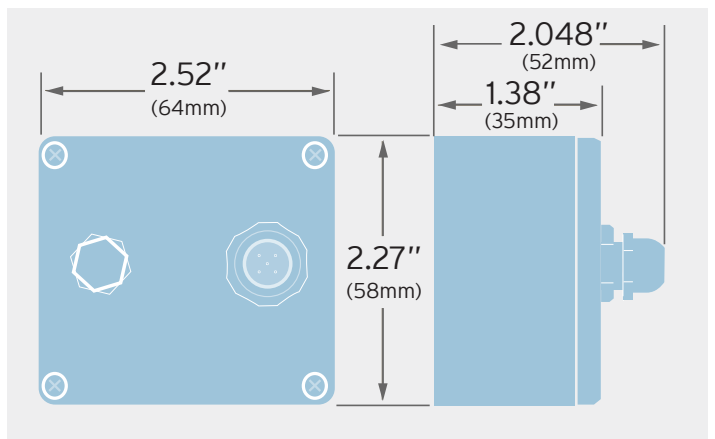


EX-PROOF HOUSING TOP VIEW

ELECTRICAL CONNECTION – ANALOG TRANSMITTERS

	Turck® Connector		
	Pin #	Mating Cable Wire Color	NPT model
Case Ground	3	Blue	Case
Common	4	Black	Com
Power *	1	Brown	V+
Signal Output (+)	5	Grey	Sig
Signal Output (-)	2	White	Ret

* Please specify 12Vdc or 24Vdc operation



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



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

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

Flow Meter Selections

Transmitter Selections

Model # P002 HS 2 NA

1

Max flow range

2 Liters/min P002

Pressure

7250 psi (500 bar) HS

Fluid Connection

SAE 2

Seal Selection

Viton® -FKM 1
Perfluoroelastomer - FFKM 5

Options

None NA

Non-standard options

BID Bi-directional cal

1 Transmitter Type

Output Type

A	A	4-20mA output - powered by 24Vdc
A	B	4-20mA output - powered by 12Vdc
A	C	0-10Volt output - powered by 24Vdc
A	D	0-10Volt output - powered by 12Vdc
P	N	5V Pulse/Quad - powered by 5-26Vdc
Q	N	5V Quadrature - powered by 5-26Vdc
P	S	Current Sinking, single phase

Temperature rating

1	90°C
2	155°C - 2 part tach*
3	225° C - 2 part tach*

Electrical Connection

1	Turck® connector
2	Hazardous location*

SIGNAL TYPE

P	Pulse
A	Analog
Q	Quadrature

Product includes single directional calibration, bi-directional calibrations for Analog and Quadrature devices are optional.

* Consult factory regarding 130°C maximum and other temperature limitations for hazardous location installations.