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) \pm 0.2% of reading over a 200:1 range, or

 \pm 2mV (or 4 μ A), whichever is greater

Maximum Operating Pressure 7250 psi (500 bar)

Weight 1.9 kg
Recommended Filtration 10 micron
Port Siz #4 SAE

Fluids Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

External Stainless steel, type 303

Wetted Stainless steel, type 303, 440C, 17-4

O-Rings Standard: Viton®

Optional: Perfluoroelastomer

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 -40°C to 90°C, Standard model

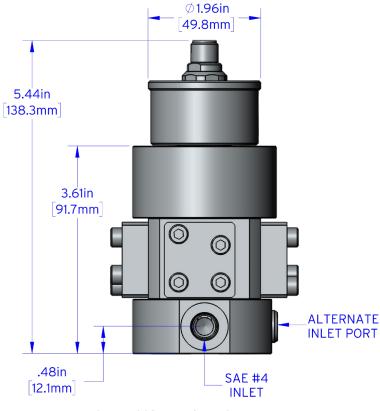
(based on 20° ambient) -40°C to 155°C, Two piece high temperature model

-40°C to 225°C, Two piece, ultra high temperature model

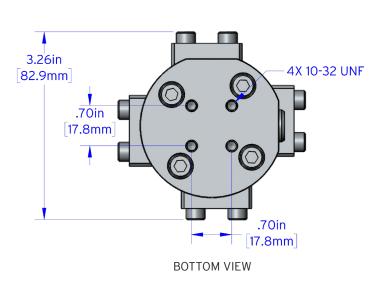
Compliance CE Certified, Ex-proof version available with ATEX/IECEx II 2 G Ex db IIB Tx Gb as

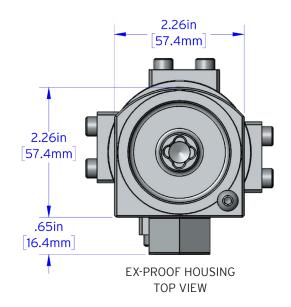
well as UL, cUL certification for Class 1, Division 1, Groups C and D, Tx

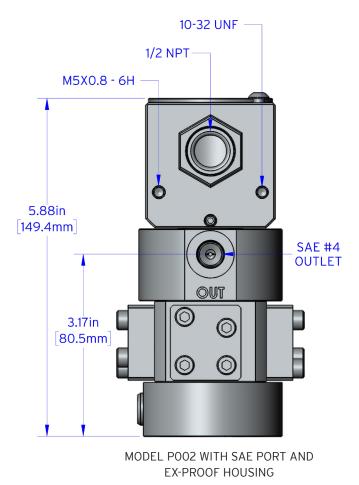




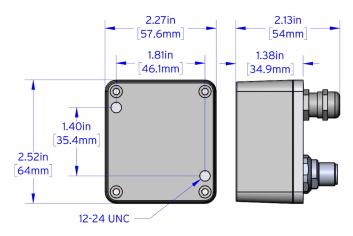
MODEL POO2 WITH SAE PORT AND INDUSTRIAL HOUSING







DIMENSIONS (Not to scale)



REMOTE PCA ENCLOSURE FOR HIGH TEMPERATURE TRANSMITTERS

(Not Shown: Industrial 2 meter interconnect cable included, Ex-Proof user supplied interconnect cable required)

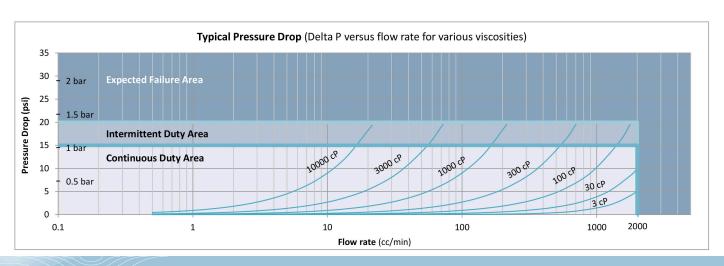
CONNECTIVITY

ELECTRICAL CONNECTION - ANALOG TRANSMITTERS

4 3 5	PCA		Turck® Connector Mating Cable		
	Label		Wire Color		
Power *	V+	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

PRESSURE DROP GRAPH



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

Flow Meter Selections Transmitter Selections											
Model # HS	S			/ 🦳				/	1	-	Non-Standard Options
											Bi-Directional Cal: BID
									1	Tr	ansmitter Type
Max Flow Range								(Out	put	Туре
0.2 Liters/Min P001	3			Α			Α	4	4-20	mΑ	Output - Powered by 24 Vdc
2 Liters/Min P002	2			Α			В	4	4-20	mΑ	Output - Powered by 12 Vdc
				Α			С				t Output - Powered by 24 Vdc
				Α			D				t Output - Powered by 12 Vdc
				Р			N				e/Freq Powered by 5-26 Vdc
				Q			N				drature - Powered by 5-26 Vdc
				Р			S	(Curr	ent	Sinking, Single Phase
Pressure							Ter	mp	era	tur	e Rating
7250 psi (500 bar) HS	5					1	90°	PC I	Indu	stri	al, 75°C Haz-Loc
						2	155°	°C	Ind.	/ 13	O°C Haz-Loc, 2 Part**
						3	225	5°C	-Ind	lust	rial, 2 Part [†]
Fluid Connection	n					Ele	ctri	ica	ıl Cc	nn	ection
SA	E 2				1	Ind	ustri	ial,	Turc	k®	Connector
1/4" and 6mm Tub	e 3				2	Haz	zardo	ous	s Loc	catio	on, 1/2 Inch Conduit*
Seal Selec	ction				Siç	gnal	Тур	ре			
Viton® -	FKM	1		Р	Pul	se					
Perfluoroelastomer - I	FFKM	5		Α	Ana	alog					
				Q	Qu	adra	ture				
	Opti	ons									
	Ν	lone	NA								# # B B B B



See temp chart in product manual.

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

*** Teflon not used above 90°C for this high pressure rated product. † Not available for hazardous location use. (Exceeds 130°C temp. Limit.) Product includes single directional calibration, bi-directional calibrations for Analog and Quadrature devices are optional.