

Model G004 Gear Flow Meter (Analog) 0.5 cc/min to 4 liters/min

SPECIFICATIONS

Flow Range	0.5 cc/min to 4 liters/min
Accuracy (at 30 cP)	± 0.3% of reading over a 100:1 range, or ± 2mV (or 4µA), whichever is greater
Maximum Operating Pressure	414 bar (6000 psi)
Displacement	1.8 cc/rev
Weight	1.1 kg
Recommended Filtration	15 micron
Port Size(s)	1/8" NPT or #4 SAE
Fluids	Most non-aqueous, hydrocarbon based fluids

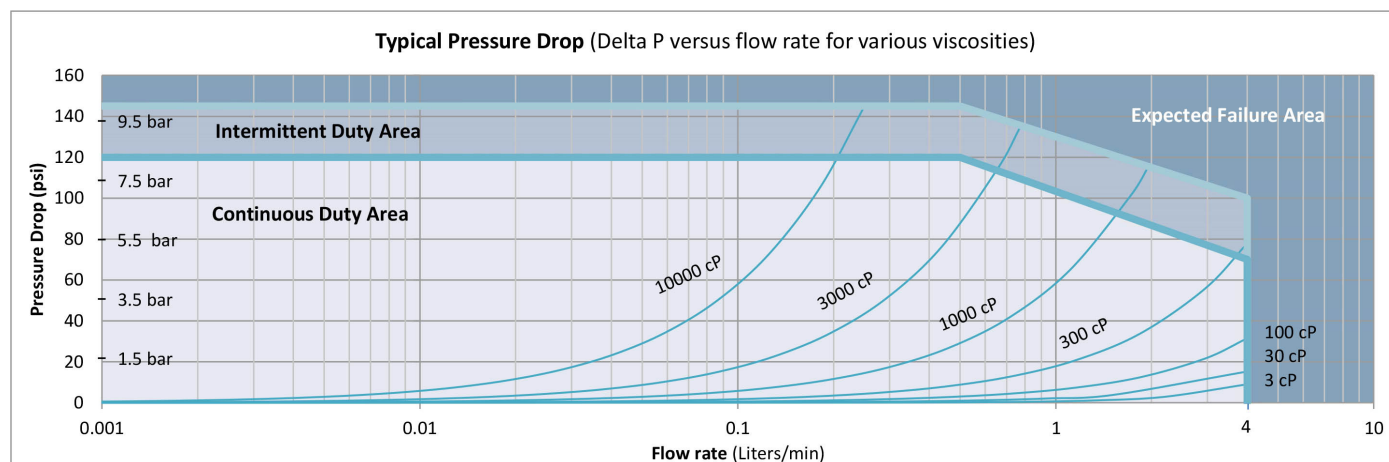
MATERIALS OF CONSTRUCTION

Body	Stainless steel, type 303
Gears and Shafts	Stainless steel, type 17-4
Bearings	All ball bearings, 440C stainless steel
Seals	Viton®- standard, Teflon®, Perfluoroelastomer – optional



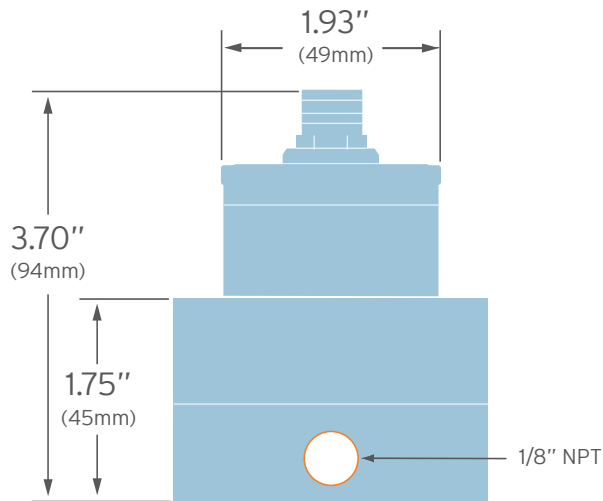
ANALOG TRANSMITTER

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

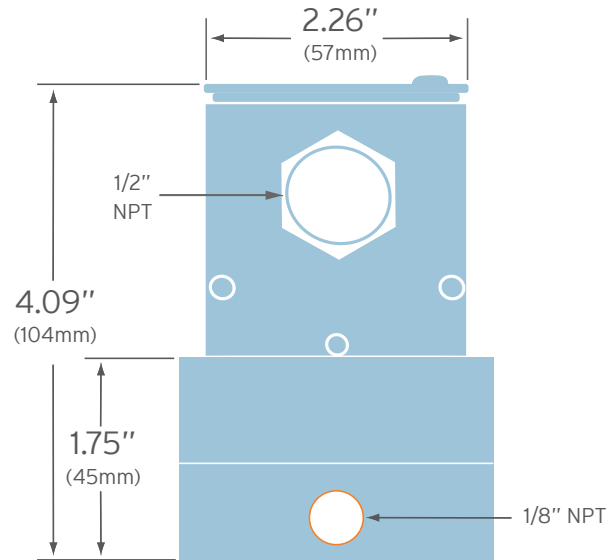


Model G004 Flow Meter (Analog)

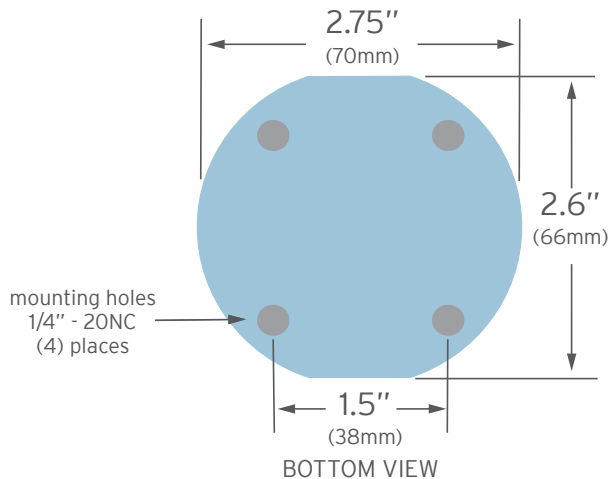
CONNECTIVITY/DIMENSIONS (Not to scale)



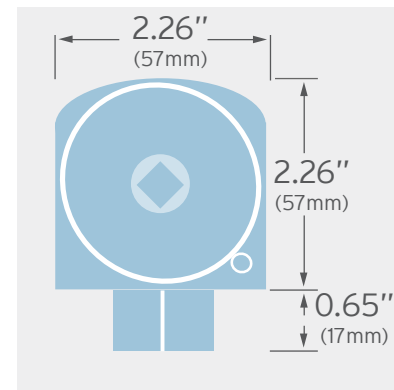
MODEL G004 WITH INDUSTRIAL HOUSING TRANSMITTER



MODEL G004 WITH EX-PROOF HOUSING TRANSMITTER



BOTTOM VIEW

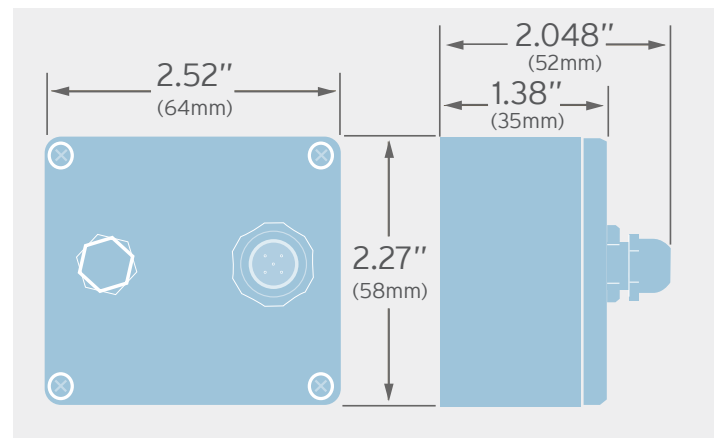


EX-PROOF HOUSING TOP VIEW

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



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

Max G Series Positive Displacement Flow Meter

Flow Meter Selections				Transmitter Selections			
Model #	G		HS				/1
	↑					↑	1 Revision Level
Max flow range						↑	Output Type
4 Liters/min	004						A Current - 24Vdc powered
15 Liters/min	015						B Current - 12Vdc powered
45 Liters/min	045						C Voltage - 24Vdc powered
105 Liters/min	105						D Voltage - 12Vdc powered
240 Liters/min	240						N Pulse/Quad - 5 to 26Vdc powered
							S Current Sinking, single phase pulse
Pressure			6000 psi	HS			Temperature rating
				↑			1 90° C
							2 155° C / 2 part remote
							3 225° C / 2 part high temperature
Fluid Connection			NPT 1				Electrical Connection
			SAE 2				1 Turck® connector
Seal Selection			Viton® 1				2 Hazardous location (temp limits apply)
			Teflon® 3				Signal Type
			Perfluoro 5				P Pulse
Options							A Analog
Standard							Q Quadrature
Heat trace option							

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