

## Model G045 Gear Flow Meter (Frequency) 0.45 to 45 liters/min

### SPECIFICATIONS

Flow Range	0.2 to 45 liters/min.
Maximum Operating Pressure	414 bar (6000 psi)
Displacement	13.5 cc/rev
Weight	3.7 kg
Recommended Filtration	30 micron
Port Size(s)	1/2" NPT or #8 SAE
Accuracy (at 30 cP)	± 0.3% of reading over a 100:1 turndown (30 cP)
Fluids	Most non-aqueous, hydrocarbon based fluids



### MATERIALS OF CONSTRUCTION

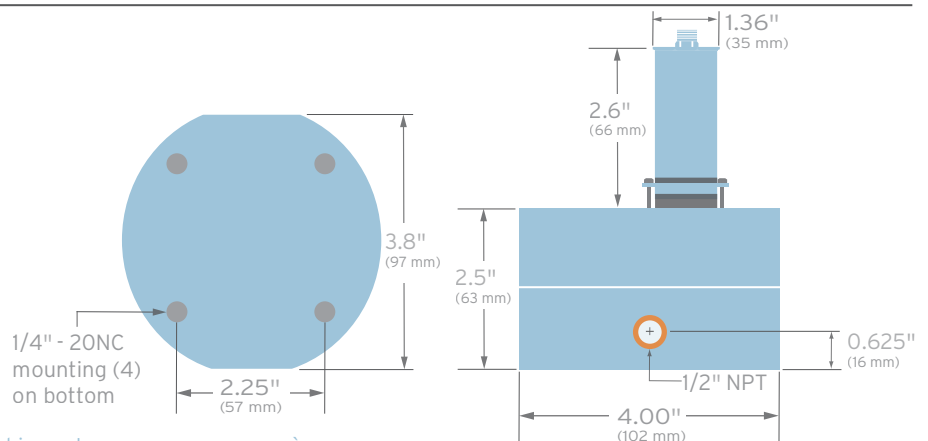
Body	Stainless steel, type 303
Gears and Shafts	Stainless steel, type 17-4
Bearings	All ball bearings, 440C stainless steel
Seals	Viton®- standard, Teflon®, Perfluoro elastomer

### FREQUENCY TRANSMITTER

Output Signal	5 Vdc square wave (TTL and CMOS compatible)
Output Resolution	Selectable: 1-1000 pulses/rev (.75-75 pulses/cc)
Min-max frequency	0 - 60 KHz
Power Supply Requirements	5 - 26 Vdc, @ 30 mA
Ambient Operational Range	-40°C to 80°C
Metered Liquid Temp Range	-40°C to 90°C, standard model
	-40°C to 160°C, high temperature model
	-40°C to 232°C, ultra high temperature model
Compliance	CE Certified

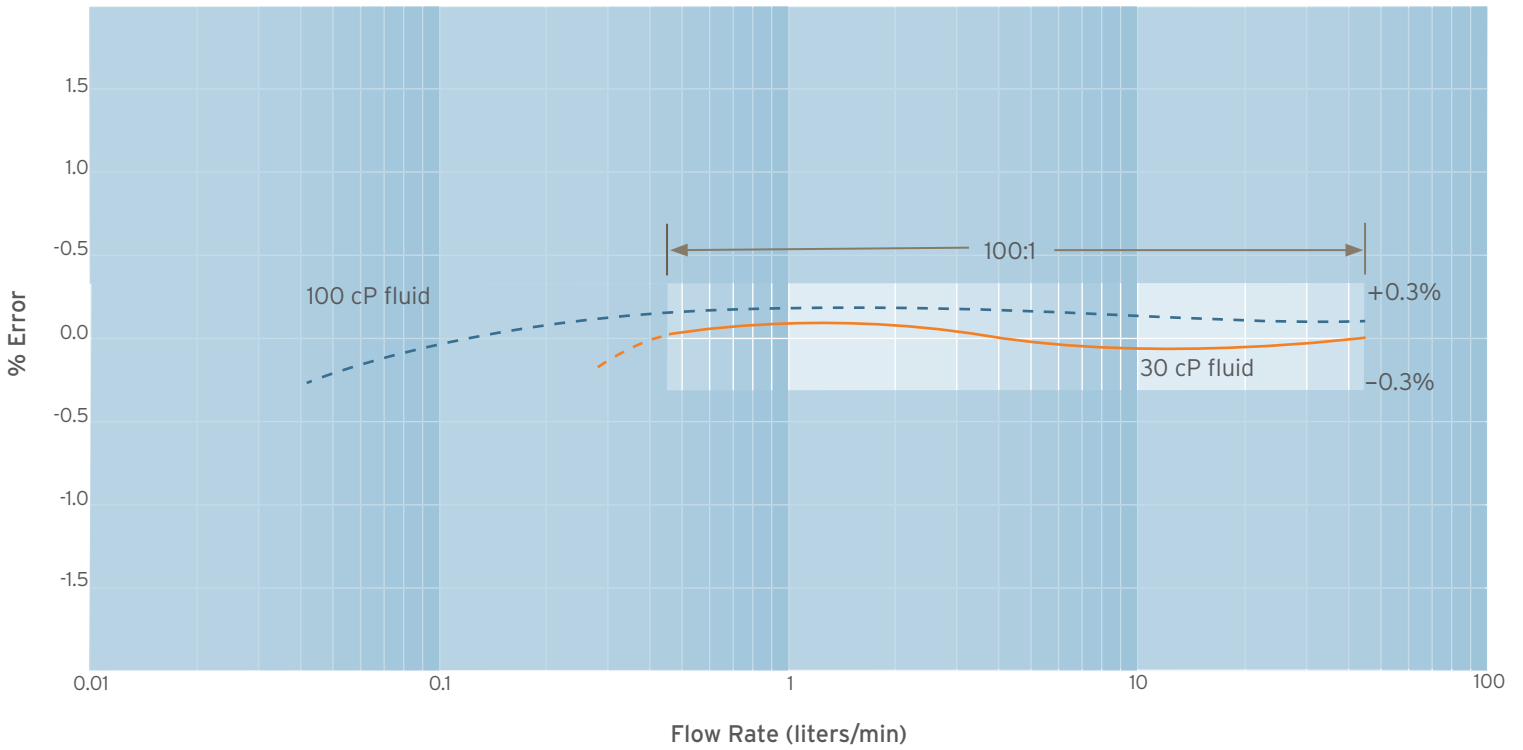
### CONNECTIVITY/DIMENSIONS

Turck® Connector		
Mating Cable Wire Color		Pin #
Case Ground	Blue	3
Common	Black	4
Power (+5-26Vdc)	Brown	1
Pulse Output	White	2
N/A	Grey	5



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## ACCURACY (Sample Curves)



## TYPICAL PRESSURE DROP

