



Max Machinery, Inc.
an ISO 9001:2015 certified company

Specifications

CGM1 SPECIFICATIONS

Flow Range	1 cc/min to 2 liters/min
Accuracy (at 30 cP calibration)	±1.0% of reading over a 100:1 range
Accuracy (at 3 cP calibration)	±1.0% of reading over a 100:1 range (≤100 psi*)
Maximum Operating Pressure	250 psi (17 bar)
Weight	0.4 kg
Recommended Filtration	10 micron
Port Size(s)	1/8" NPT or 1/8" BSPP
Fluids	Most aqueous and hydrocarbon-based fluids
Typical Fluid pH Range	2 to 13



MATERIALS OF CONSTRUCTION

External	Unfilled PEEK: Stainless Steel, type 303, 316, 17-7; FKM
Wetted	Unfilled PEEK: Zirconia(ZrO2)
O-Rings	Standard: FEPM (Fluoroelastomer) Optional: FFKM (Perfluoroelastomer)

FREQUENCY TRANSMITTER

Output Signal	Standard: 5 Vdc, single phase Optional: Quadrature 5 Vdc, two phase Current sinking, 20 mA max., single phase
K-Factor	Single Phase: 500 pulses/cc Two Phase: 1,000 pulses/cc, 4x decoded (250 pulses/cc/phase, 1x decoded)
Power Supply Requirements	5 - 26 Vdc, at 30 mA
Ambient Operational Range	-15°C to 70°C
Metered Liquid Temp Range	-15°C to 70°C
Compliance	CE Certified - IP65 Rated

ANALOG SPECIFICATIONS

Flow Range	1 cc/min to 2 liters/min
Accuracy (at 30 cP calibration)	± 1.0% of reading over a 100:1 range, or ± 2mv (or 4µA), whichever is greater
Accuracy (at 3 cP calibration)	± 1.0% of reading over a 100:1 range (≤100 psi*)

ANALOG TRANSMITTER

Output Signal	Any range of ± 10V or ± 20mA Linearized and damped with anti-dither protection.
Power Supply Requirements	Two Models: 12Vdc at 90 mA, 24Vdc at 45mA
Ambient Operational Range	-15°C to 70°C
Metered Liquid Temp Range	-15°C to 70°C
Compliance	CE Certified - IP65 Rated

*When operating above 100 psi, accuracy over the 100:1 range may increase to +/- 3% of reading.