

**max**

Precision Flow Meters



Measure low flows down to 1 cc/min of water and water-based chemicals in your dosing and injection applications. The Max P234 is compatible with RO antiscalants, defoamers, anti-corrosives, antiseptics, sterilization chemicals and many more.

Use the P234-MEKP variant for all your peroxide based curing and catalyst chemical needs.

Choose from frequency or analog transmitter options. Not for use in hazardous environments. Maximum temperature rating for all P234 transmitters is 90°C.

Detailed product specifications are found at:  
[www.maxmachinery.com/product-category/piston-flow-meters/](http://www.maxmachinery.com/product-category/piston-flow-meters/)

Model	Flow Range	Port Size	K-Factor	Pressure Rating	Accuracy (at 1 cP)
P234	1 to 2000 cc/min	1/4" NPT G 1/4-19 BSPP	180 pulses/cc	3000 psi (210 bar)	± 0.4% of reading over 100:1 range
P234-MEKP	1 to 500 cc/min	1/4" NPT G 1/4-19 BSPP	180 pulses/cc	3000 psi (210 bar)	± 0.4% of reading over 25:1 range



Max Piston Meters are not sensitive to changes in flow profile, fluid density, or viscosity. No straight pipe runs or flow conditioners needed.

Dynamic flow industries like automotive testing, machine tool cycling, and valve testing rely on Max meters to provide high resolution rapid 1.6 millisecond response times for their data collection.

High resolution, bi-directional, quadrature signal outputs, and 1.6 millisecond response times make Max Precision Flow Meters the choice in measuring low flow, rapid valve cycling and injection system testing.

For in-vehicle testing and low pressure applications, the P001LA provides the same precision, accuracy, and resolution and weighs only 0.9 lbs.

Choose from frequency or analog transmitter options. High temperature models up to 225°C available. 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.

Detailed product specifications are found at:  
[www.maxmachinery.com/product-category/piston-flow-meters/](http://www.maxmachinery.com/product-category/piston-flow-meters/)

Model	Flow Range	Port Size	K-Factor	Pressure Rating	Accuracy (at 3 cP)
P001	0.005 to 200 cc/min	1/4" 6mm tube fitting	12,000 pulses/cc	7250 psi (500 bar)	± 0.2% of reading over 200:1 range
P001LA	0.005 to 200 cc/min	1/4" 6mm tube fitting	12,000 pulses/cc	250 psi (17 bar)	
P002	0.5 to 2000 cc/min	# 4 SAE	1000 pulses/cc	7250 psi (500 bar)	
P213	0.5 to 1800 cc/min	1/8" NPT, #4 SAE or manifold mount	1000 pulses/cc	3000 psi (210 bar)	
P214	5 to 10,000 cc/min	3/8" NPT, #6 SAE or manifold mount	15,000 pulses/L	3000 psi (210 bar)	
P215	25 cc/min to 35 liters/min	1/2" NPT #8 SAE	20,000 pulses/L	3000 psi (210 bar)	



If you value your flow, find value in the data from a Max Gear Meter. From heavy duty hydraulics to chemical dosing on oil and gas rigs, Max Gear Meters provide more data per liter of fluid at rates as fast as a pulse every 1.6 milliseconds to give you more control of your flow.

Robust resolution in a compact package allows you to measure precisely and accurately even in the worst environmental conditions. Max HZ Gear Meters are built out of 316 stainless steel versus the standard 303 stainless. With this increased corrosion resistance, the oil and gas industry and other process industries operating in exposed environments can bring lab grade flow measurement to the field.

Choose from frequency or analog transmitter options. High temperature models up to 225°C available. 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.

Detailed product specifications are found at:  
[www.maxmachinery.com/product-category/gear-flow-meters/](http://www.maxmachinery.com/product-category/gear-flow-meters/)

Model	Flow Range	Port Size	K-Factor	Pressure Rating	Accuracy (at 30 cP)
G004	0.5 cc/min to 4 liters/min	1/8" NPT #4 SAE	500 pulses/cc	6000 psi (414 bar)	± 0.3% of reading over 100:1 range
G004HZ	0.5 cc/min to 4 liters/min	1/8" NPT #4 SAE	500 pulses/cc	6000 psi (414 bar)	
G015	10 cc/min to 15 liters/min	3/8" NPT #6 SAE	200 pulses/cc	6000 psi (414 bar)	
G015HZ	10 cc/min to 15 liters/min	3/8" NPT #6 SAE	200 pulses/cc	6000 psi (414 bar)	
G045	25 cc/min to 45 liters/min	1/2" NPT #8 SAE	70,000 pulses/L	6000 psi (414 bar)	
G045HZ	25 cc/min to 45 liters/min	1/2" NPT #8 SAE	70,000 pulses/L	6000 psi (414 bar)	
G105	75 cc/min to 105 liters/min	3/4" NPT #10 SAE	25,000 pulses/L	6000 psi (414 bar)	
G240	250 cc/min to 240 liters/min	1" NPT #16 SAE	7000 pulses/L	4000 psi (275bar) - NPT 6000 psi (414 bar) - SAE	



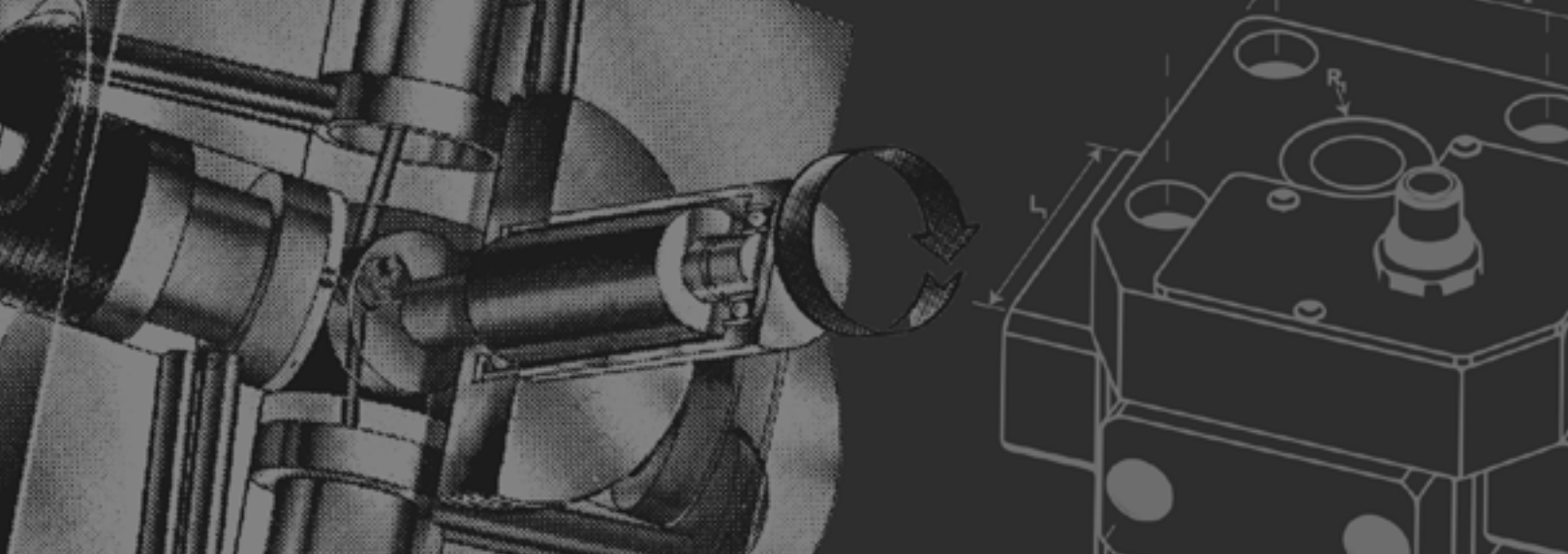
When you have high viscosity fluids up to 1,000,000 cPs, use a Max Helical Meter to get higher resolution data with a lower pressure drop than typical application meters.

Whether you need to measure viscous asphalt tar or higher volumes of hydraulic fluid, a Max Helical Meter will give you the precision, accuracy, and resolution you need.

Choose from frequency or analog transmitter options. High temperature models up to 225°C available. 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.

Detailed product specifications are found at:  
[www.maxmachinery.com/product-category/helical-flow-meters/](http://www.maxmachinery.com/product-category/helical-flow-meters/)

Model	Flow Range	Port Size	K-Factor	Pressure Rating	Accuracy (at 30 cP)
H241LS	2 to 189 L/min	1-1/2" NPT	15,000 pulses/L	500 psi (35 bar) - NPT	± 0.2% of reading over 50:1 range
H241MS	2 to 189 L/min	1-1/2" (DN40) ANSI Flange	15,000 pulses/L	3500 psi (245 bar) - ANSI Flange	
H242LS	5 to 500 L/min	2-1/2" NPT	5000 pulses/L	500 psi (35 bar) - NPT	
H242MS	5 to 500 L/min	2-1/2" (DN65) ANSI Flange	5000 pulses/L	3500 psi (245 bar) - ANSI Flange	



## Calibrate Your Max Meters Annually



Keep your process protected from debris damage. Save a costly rebuild due to contamination. Filter your fluid with a Max replaceable filter. Install the filter housing and then replace the filter elements on a schedule right for your application. 5, 10, and 30 Micron filters available. Detailed product specifications are found at: <https://www.maxmachinery.com/product/f381-filters-and-filter-elements/>



Access and customize the transmitter settings to the unique requirements of your application with the Max Interface Software Kit. Provided in the kit are the installation software on USB drive and a special cable to connect the transmitter to a PC USB or serial port. Part Number SFT-KIT-001. Learn more at: [www.maxmachinery.com/product/interface-software-kit/](http://www.maxmachinery.com/product/interface-software-kit/)



Local process visualization and totalization comes in a standard panel mount display. Input is a frequency transmitter meter and the indicator provides a 4-20mA output for data collection. Displayed flow rate and total are programmable to any engineering units. Easy to program with the on-board software accessed via USB port. Learn more at: [www.maxmachinery.com/product/model-122-indicator/](http://www.maxmachinery.com/product/model-122-indicator/)

Bring your meter back to factory new condition with refurbishment and calibration to the same NIST traceable standard when they shipped to you new. [www.maxmachinery.com/services/](http://www.maxmachinery.com/services/)

Services include:

- As-received calibrations
- Re-calibration to factory parameters
- Refurbishment of damaged or non-functioning meters
- Replacement of transmitter electronics

Missing the manual or want more information about your Max Precision Flow Meter? Find manuals, installation sheets, specification sheets, STEP files, and more on our downloads page. [www.maxmachinery.com/downloads/](http://www.maxmachinery.com/downloads/)



ISO  
9001:2015  
CERTIFIED

Max Machinery, Inc. designs, manufactures, calibrates, and refurbishes high accuracy, high resolution, precision liquid flow meters under an ISO 9001:2015 certified quality management system. We test and calibrate 100% of our meters in our lab and provide measurements traceable to NIST.

Contact us directly or reach out to your local sales partner for meter selection, pricing, availability, technical questions, or other precision flow concerns. We reach globally to serve you locally. Get more information about how to contact us at:  
[www.maxmachinery.com/contact-max-precision-flow-meters/](http://www.maxmachinery.com/contact-max-precision-flow-meters/)



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