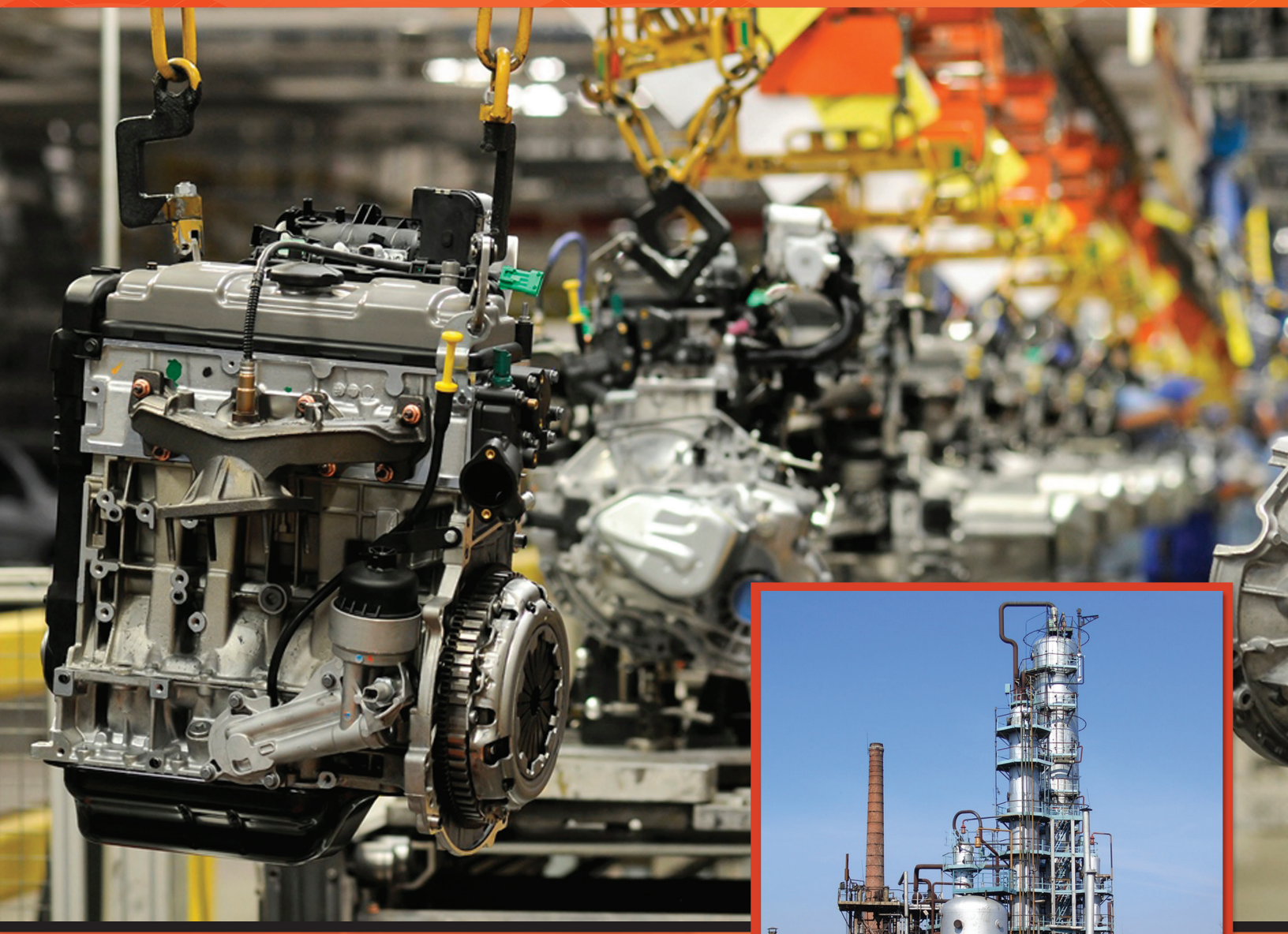
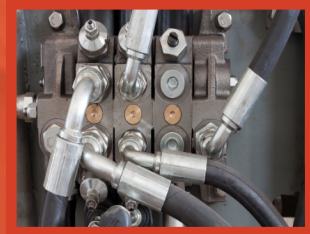
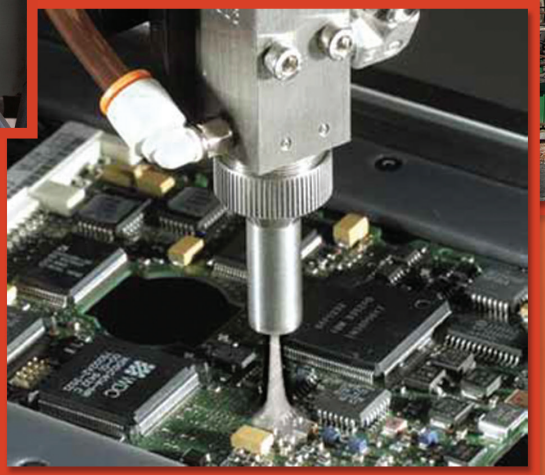
High performance meters for demanding applications







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2016-Rev2

Max Piston meters measure the lowest flow rates by using the highest resolution in the industry.

Ultra precise measurement for your lowest flow rates and widest operating ranges. Max piston meters provide an accuracy, flow range and resolution normally associated with laboratory measurement devices; in a convenient to use, rugged, industrial-grade sensor.

Max piston meters have always been the preferred choice for low flow applications. Compare our guaranteed ±0.2% of reading accuracy specification and ultra-wide flow range against any other flow meter. Flow rates below 1 cc/min and fluid viscosities from 0.5 cps to 10,000 cps are all in a day's work for these high performance meters.

Model: P001
Flow Range: 0.005 to 200 cc/min
Resolution: 12,000 pulses/cc
Port Size: 1/4" or 6mm tube fitting
Pressure Rating: 500 bar (7250 psi)

Model P001

Model: P213
Flow Range: 1 to 1800 cc/min (0.48 gpm)
Resolution: 1000 pulses/cc
Port Size: 1/8" NPT, #4 SAE
Pressure Rating: 70 bar (1000psi), 210 bar (3000 psi)

Model P213

Model: P002
Flow Range: 1 to 2000 cc/min (0.53 gpm)
Resolution: 1000 pulses/cc
Port Size: #4 SAE
Pressure Rating: 500 bar (7250 psi)

Model P002

Model: P214
Flow Range: 10 to 10,000 cc/min (2.64 gpm)
Resolution: 90 pulses/cc
Port Size: 3/8" NPT, #6 SAE
Pressure Rating: 70 bar (1000psi), 210 bar (3000 psi)

Model P214

Model: P215
Flow Range: 0.07 to 35 L/min (9.25 gpm)
Resolution: 20,000 pulses/L
Port Size: 1/2" NPT, #8 SAE
Pressure Rating: 70 bar (1000psi), 210 bar (3000 psi)

Model P215

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, ±10V or ±20mA in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.

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Max Gear meters deliver accuracy and resolution that the competition can't match.

These are gear meters in name only. No other meter offers this resolution, accuracy or operating range. Max has revitalized the gear meter concept offering the industry's highest resolution output signal with significantly lower pressure drops. The G Series flow meters outperform competitors both mechanically and electronically.

Precise mechanical action in combination with a state-of-the-art transmitter design delivers a flow rate output within ±0.3% of reading over the entire operating range. Economical and versatile, these meters are ideal for viscosities from 5 to 10,000 cps.

Model G004

Model: G004
Flow Range: 0.015 to 4 L/min (1.05 gpm)
Resolution: 500 pulses/cc
Port Size: 1/8" NPT, #4 SAE
Pressure Rating: 414 bar (6000 psi)

Model G015

Model: G015
Flow Range: 0.075 to 15 L/min (3.96 gpm)
Resolution: 200 pulses/cc
Port Size: 3/8" NPT, #6 SAE
Pressure Rating: 414 bar (6000 psi)

Model G045

Model: G045
Flow Range: 0.2 to 45 L/min (11.9 gpm)
Resolution: 70 pulses/cc
Port Size: 1/2" NPT, #8 SAE
Pressure Rating: 414 bar (6000 psi)

Model G105

Model: G105
Flow Range: 0.45 to 105 L/min (27.7 gpm)
Resolution: 25 pulses/cc
Port Size: 3/4" NPT, #10 SAE
Pressure Rating: 414 bar (6000 psi)

Model G240

Model: G240
Flow Range: 1.2 to 240 L/min (63.4 gpm)
Resolution: 2000 pulses/L
Port Size: 1" NPT, #16 SAE
Pressure Rating: 414 bar (6000 psi - SAE Ports),
275 bar (4000 psi - NPT Ports)

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, ±10V or ±20mA in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.

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Max's unique helical rotor design measures high viscosity fluids with a minimal pressure drop.

Flow measurement of high viscosity fluids used to be limited by the high pressure drop that a flow meter added to the system. Switching to a larger meter to reduce this pressure loss results in a corresponding reduction in the resolution of the meter. To give you the resolution you need, without the pressure loss you don't, Max has developed the Helical rotor series of meters which use a progressive cavity to perform the positive displacement measurement. The in-line metering elements turn smoothly with the flow and greatly reduce the pressure loss. By reducing the pressure loss of the meter, a smaller, faster-spinning meter can be used to generate a high resolution signal, even when the viscosity approaches 1 million centipoise.

Model: H241
Flow Range: 2 to 189 L/min (50 gpm)
Resolution: 15,000 pulses/L
Port Size: 1-1/2" NPT, 1-1/2" (DN40) ANSI Flange
Pressure Rating: 35 bar (500 psi), 245 bar (3500 psi)

Model H241

Model H242

Model: H242
Flow Range: 5 to 500 L/min (132 gpm)
Resolution: 5000 pulses/L
Port Size: 2-1/2" NPT, 2-1/2" (DN65) ANSI Flange
Pressure Rating: 35 bar (500 psi), 245 bar (3500 psi)

Transmitter output signals available: Frequency, 2 phase quadrature, current sinking, ±10V or ±20mA in either industrial enclosures or ATEX/UL/cUL approved housings. Unidirectional and bi-directional outputs and calibrations also available.

We give our customers the confidence to measure difficult flow applications by providing:

trustworthy advice,
precision flow meters and
unbeatable support.

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