

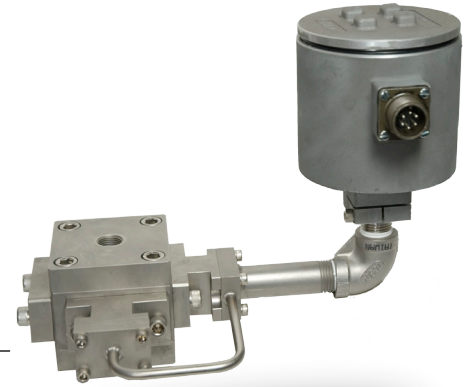
## Model 234 Water Flow Meter 10 to 4000 cc/min

### SPECIFICATIONS

Flow Range (at 1 cP)	10 to 4000 cc/min
Maximum Operating Pressure	140 bar (2000 psi)
Displacement	10.5 cc/rev
Weight	5.4 kg
Recommended Filtration	10 micron
Port Sizes	3/8" NPT
Fluids	Aqueous and non-lubricating liquids

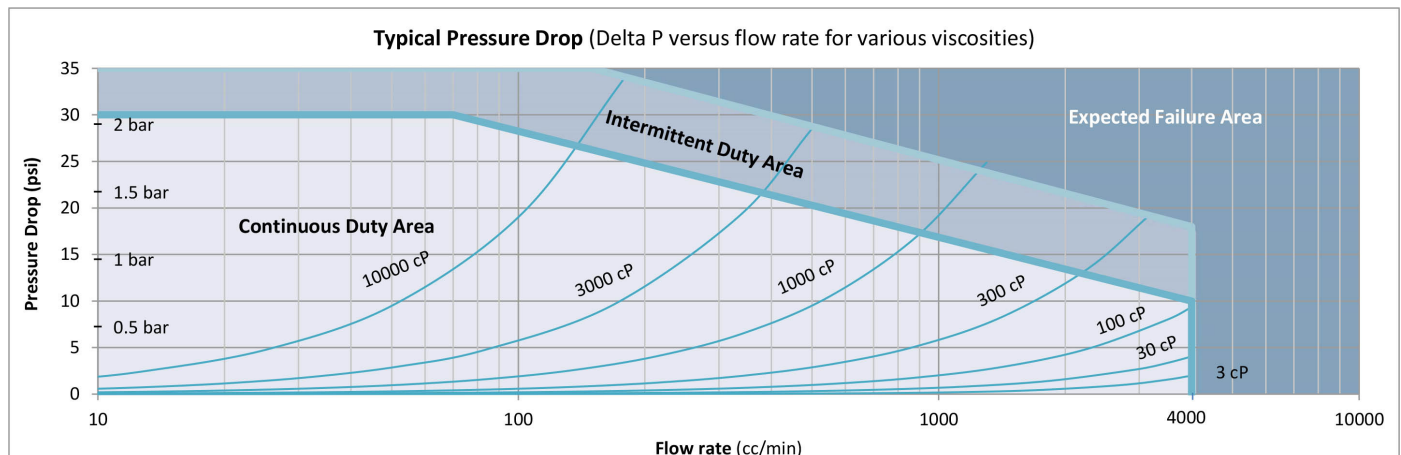
### MATERIALS OF CONSTRUCTION

Body	Stainless steel, type 316
Pistons	Carbon
Bearings	Rulon
O Rings	Teflon®



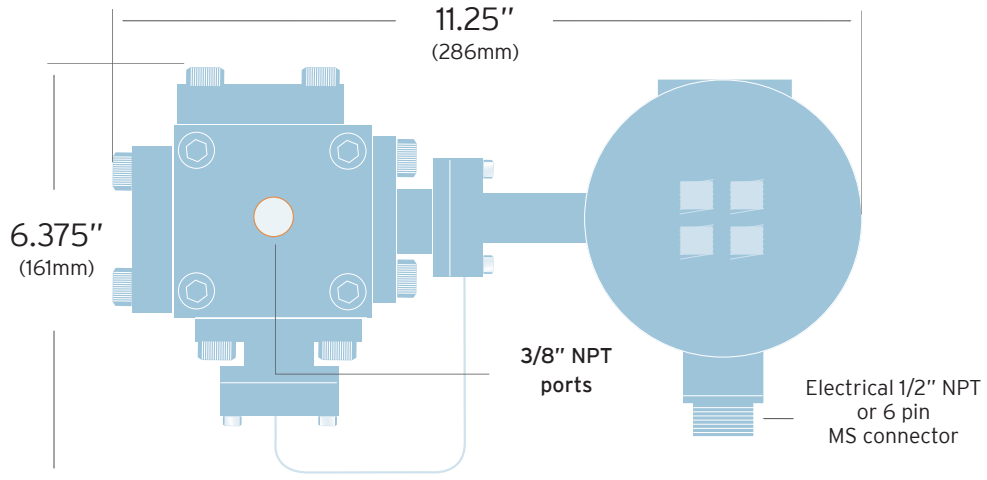
### FREQUENCY TRANSMITTER

Output Signal	Pulse, 5 Vdc Single phase square wave, 1 - 500 pulses/revolution Quadrature square wave, 1 - 250 pulses/revolution/channel
Power Supply Requirements	5-26 Vdc @ 30ma
Ambient Operational Range	-18° C to 55° C
Metered Liquid Temp Range (based on 20° ambient)	5° C to 110°C
Compliance	CE Certified
Electrical Connection	6 pin Amphenol; configurable to 1/2" NPT

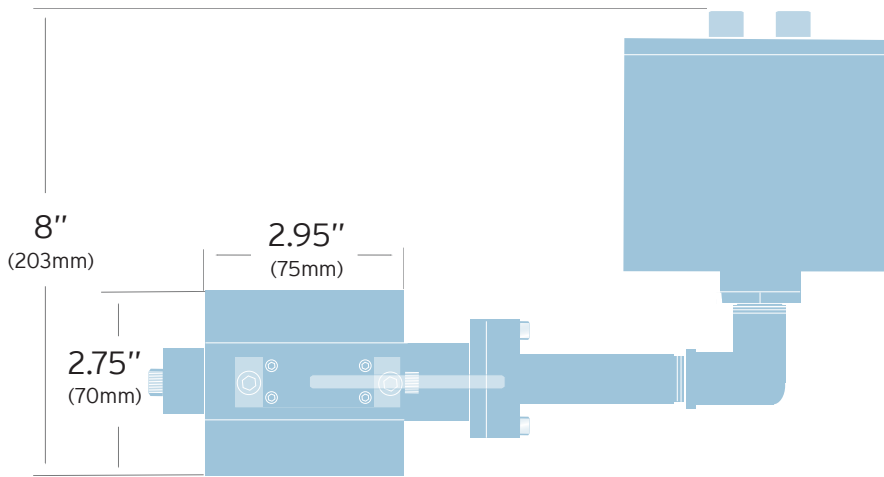


# Model 234 Flow Meter (Frequency)

CONNECTIVITY/DIMENSIONS (Not to scale)



MODEL 234 TOP VIEW



MODEL 234 SIDE VIEW

## ELECTRICAL CONNECTION – FREQUENCY TRANSMITTERS

	Amphenol Plug		
	Pin #	Mating Cable Wire Color	NPT model
Ground	A	Green	1
Common	B	Black	2
4.5 to 24VDC	C	Red	3
Square Wave Output	D	White	4
Phase A Output	E	Orange	5
Phase B Output	F	Blue	6





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

# SAMPLE

## CERTIFICATE OF CALIBRATION

Certificate #: 90048

Keep for your records.

**Customer:** Sample  
123 Any Street  
Any Town, CA 12345  
United States

**Laboratory Location:** Max Machinery, Inc  
33A Healdsburg Ave  
Healdsburg, CA 95448  
707-433-2662

**Type of Device:** Flow Meter  
**Manufacturer:** Max Machinery, Inc.  
**Model Number:** 234-100-000,  
**Serial Number:** D12345,

**Calibration Fluid:** Water  
**Fluid Viscosity:** 1 cps  
**Fluid Specific Gravity:** 1.00 g/mL  
**Fluid Temp:** 21°C +/- 1°C

**Date of Calibration:** 7/1/2015  
**Sales Order:** SAMPLE  
**Procedure Used:** LA-P-XXX  
**Performed By:** JDO

**Output Units:** Pulses/mL  
**Flow Units:** mL/min  
**Ave K-Factor:** 45.887

**Calibration Notes:** This document reflects the new basic calibration.  
The new condition was found to be in tolerance.

### Calibration Data

Flow Rate mL/min	Output		Error % reading	Flow Rate mL/min	Output		Error % reading
	Pulses/mL	Frequency Hz			Pulses/mL	Frequency Hz	
4000.0	45.574	3038.267	-0.68%				
3000.0	45.633	2281.650	-0.55%				
1000.0	45.979	766.317	0.20%				
500.0	46.165	384.708	0.61%				
300.0	46.201	231.005	0.68%				
100.0	45.993	76.655	0.23%				
20.0	44.985	14.995	-1.97%				
10.0	44.063	7.344	-3.97%				

*Average K-Factor is calculated as a weighted average over the nominal range of the meter.*

### Equipment Used in the Calibration:

<b>Calibration ID:</b>	<b>Description:</b>	<b>Serial Number:</b>	<b>Cal Due Date:</b>	<b>Certificate Number:</b>
40801	Reference Standard 1	12345	3/13/2016	sampleCert

### QC Approval:

*Jane Doe*  
\_\_\_\_\_  
Jane Doe  
Quality Manager

7/1/2015

### Calibration Technician

*John Doe*  
\_\_\_\_\_  
John Doe  
Lab Technician

7/1/2015

This Certificate shall not be reproduced, except in full, without written approval by Max Machinery, Inc.