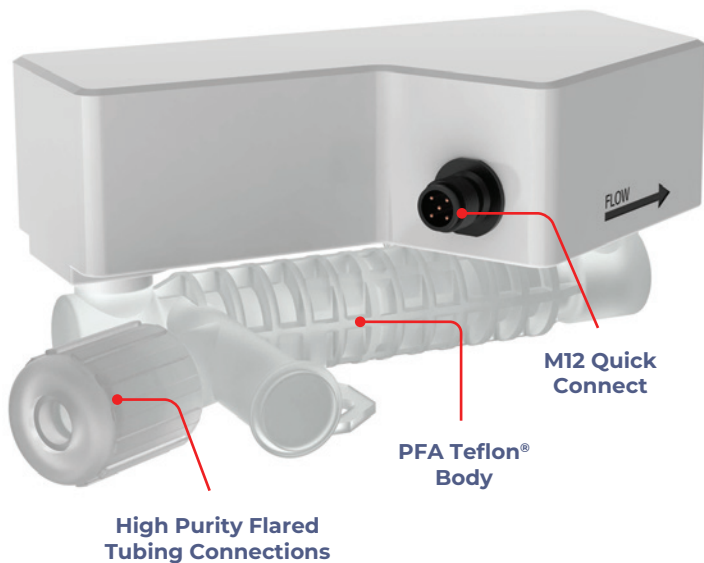


Truflo® — UltraFlo® 1000 SERIES

Ultrasonic Flow Meter

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment

- ✓ Measures Dosing | Pulsating Flow
- ✓ No Moving Parts
- ✓ Ultra Low Flow Applications



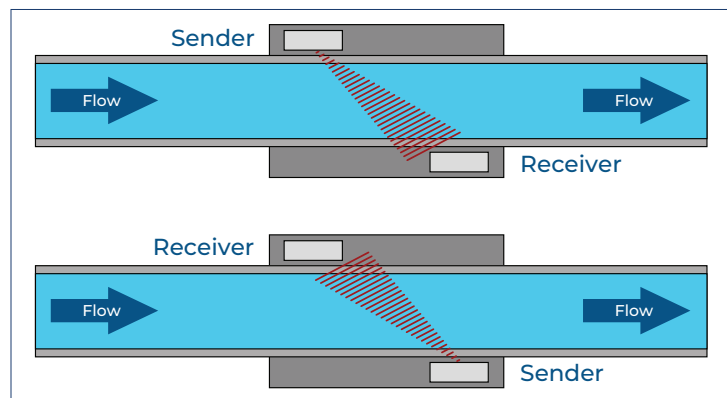
Product Description

The **UltraFlo® 1000** Flow Meter utilizes ultrasonic technology to measure both conductive and non conductive liquids, and is an excellent choice for very corrosive liquids such as strong acids and alkalis.

The **UltraFlo® 1000** has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant PFA Teflon®.

The **UltraFlo® 1000** is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.

Working Principle



Featuring:

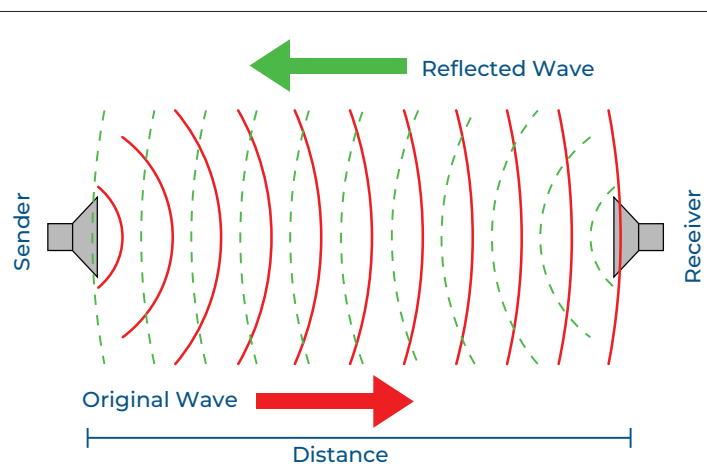
- ✓ All Plastic PFA Teflon® Wetted Materials
- ✓ High Accuracy: $\pm 1.0\%$
- ✓ M12 Quick Connect
- ✓ Flared End Connectors
- ✓ Superior Corrosion Resistance
- ✓ 4-20mA + Pulse Relay Output | RS-485
- ✓ Suitable for Ultra Pure Applications
- ✓ Negligible Pressure Drop
- ✓ Empty Pipe Alarm
- ✓ Air Bubble Detection

Flared Tubing Connections

- ✓ Perfect for High Purity Applications
- ✓ Leak-Free Performance
- ✓ Easy Installation Process
- ✓ Flaretek® Compatible



Sound Wave Technology



- ✓ 250 Pulses/sec
- ✓ No Moving Parts
- ✓ Full-Port Design
- ✓ Piezo-Type Sensing Transducers



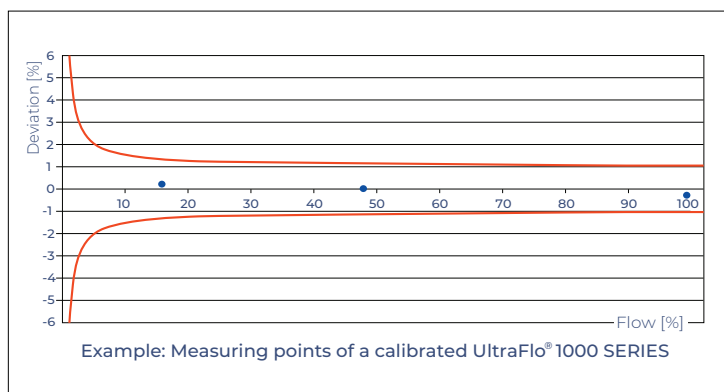
Truflo® — UltraFlo® 1000 SERIES

Ultrasonic Flow Meter

Technical Specifications

General					
Material	Pipe	PFA Teflon®			
	Housing	PP			
	Nut	PFA Teflon® NPT Adaption (Flare to NPT)			
Protection Class		NEMA 4X IP67			
Medium Temperature		-40 to 248°F -40 to 120°C			
Measuring Range GPM LPM		0.005 - 1.6 0.02 - 9.0	0.08 - 6.3 0.3 - 24	0.24 - 15.8 0.9 - 60	0.32 - 31.7 1.2 - 120
Max. Pressure Non-Shock		100 Psi 7 Bar	100 Psi 7 Bar	100 Psi 7 Bar	100 Psi 7 Bar
Process Connection					
Sealless Tube Connection Flare		⅜"	½"	¾"	1"
Dimensions L W H mm		209 120 79	209 120 79	209 120 82	209 120 92
Weight lbs		2.8	2.8	2.8	3.5
Electrical					
Power Supply		24VDC 3.6W			
Connection		M12			
Output		4-20mA + Pulse Relay RS-485			
Standards and Approvals					
CE FCC RoHS Compliant					

Measuring Points



Model Selection

UltraFlo® 1000 — Ultrasonic Flow Meter		
Size	Part Number	Material
3/8"	UFM-1000-37	PFA (Teflon®)
1/2"	UFM-1000-50	PFA (Teflon®)
3/4"	UFM-1000-75	PFA (Teflon®)
1"	UFM-1000-100	PFA (Teflon®)

* Calibration Tool Required for Programming.
Contact Factory for Options.

Application Sample

