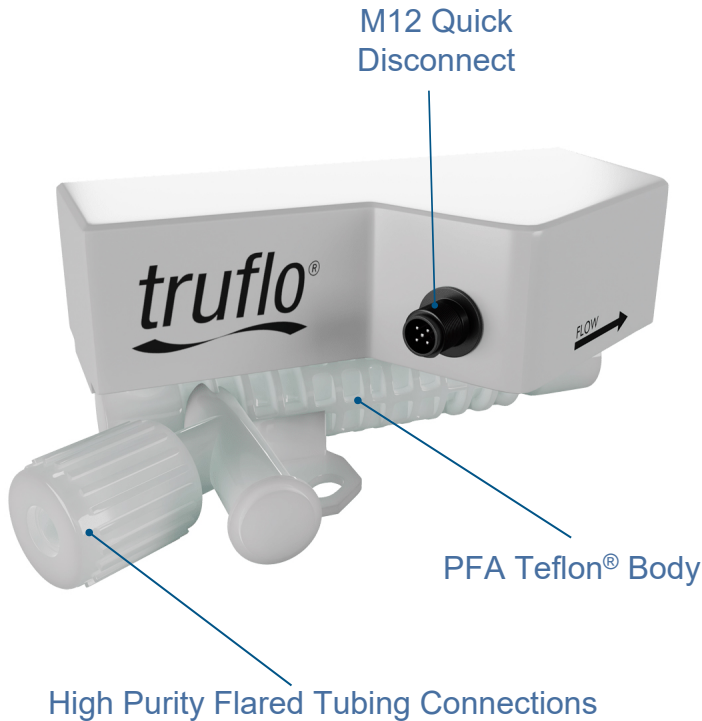


- Measures Dosing | Pulsating Flow
- No Moving Parts
- Ultra Low Flow Applications



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®.

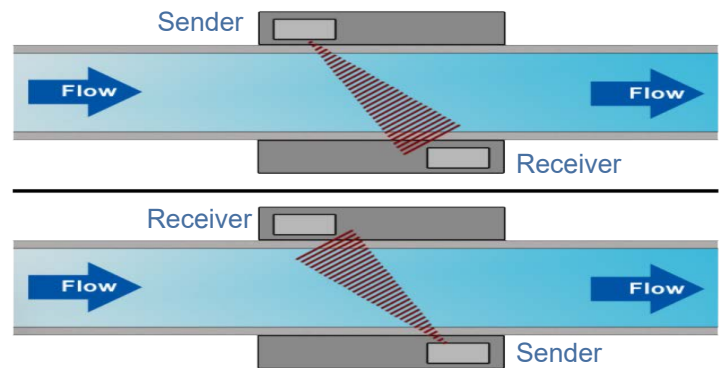
The UltraFlo® 1000 is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.



Soundwave Technology

- 250 Pulses/sec
 - No Moving Parts
 - Full-Port Design
 - Piezo-Type Sensing Transducers
-
- Reflected Wave
- Original Wave
- Distance
- Sender
- Receiver

Working Principle



Flared Tubing Connections

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



Features

- All Plastic PFA Teflon® Wetted Materials
- High Accuracy: $\pm 1.0\%$
- 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

General

Material	Pipe	PFA Teflon®			
	Electronics	PP			
	Nut	PFA NPT Adaption (Flare to NPT)			
Protection Class		IP67 NEMA 4X			
Medium Temperature		-40 - 248°F -40 - 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

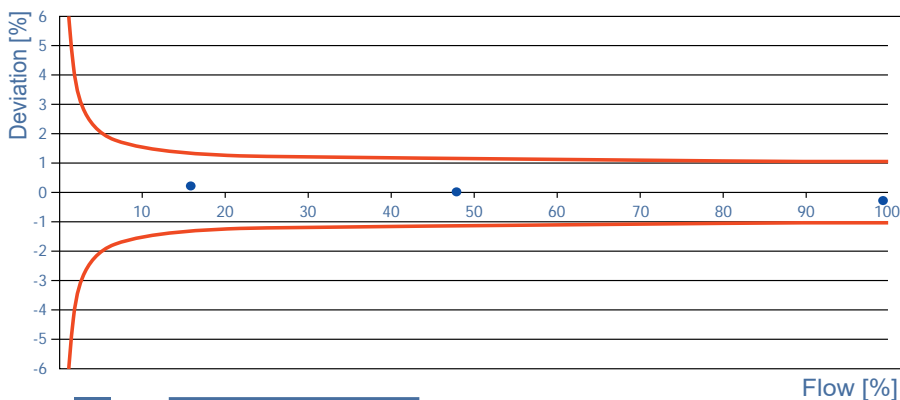
Process Connection

Sealless Tube Connection Flare	3/8"	1/2"	3/4"	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

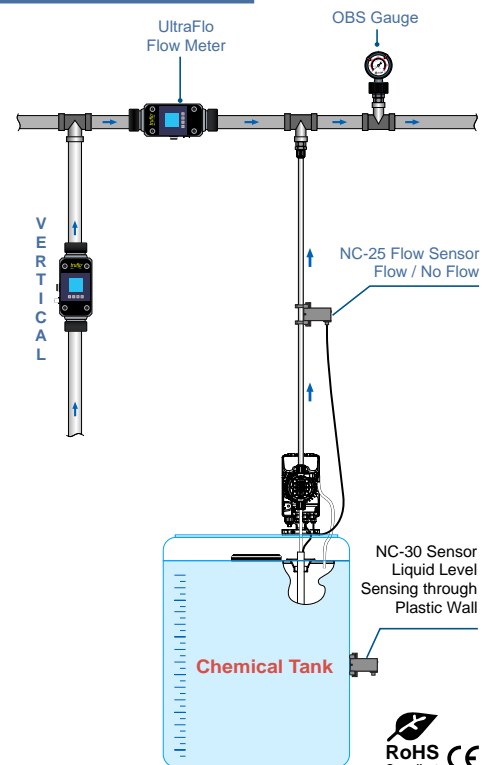
Electronics

Power Supply	24VDC 3.6W
Connection	M12
Output	4-20mA + Pulse Relay RS-485

Measuring Points



Application Example



Model Selection

Size	Part Number	Material
3/8"	UFM-1000-37	PFA
1/2"	UFM-1000-50	PFA
3/4"	UFM-1000-75	PFA
1"	UFM-1000-100	PFA