

Truflo® — UltraFlo® 4000 SERIES

Ultrasonic Flow Meter

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



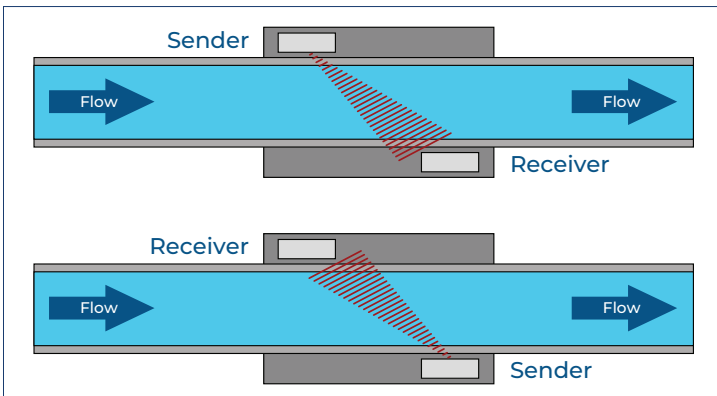
Product Description

The UltraFlo® 4000 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® 4000 has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant Polysulfone.

The UltraFlo® 4000 is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.

Working Principle



Featuring:

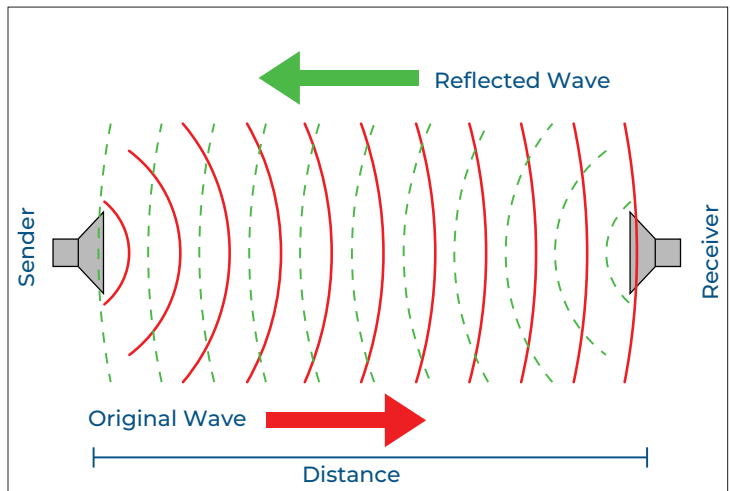
- ✔ All Plastic Polysulfone Wetted Materials
- ✔ High Accuracy: $\pm 1.0\%$
- ✔ M12 Quick Connect
- ✔ Superior Corrosion Resistance
- ✔ 4-20mA + Pulse Relay Output | RS-485
- ✔ Negligible Pressure Drop
- ✔ Empty Pipe Alarm
- ✔ Air Bubble Detection

Blind Display Option

- ✔ Output to a PLC or a Remote Display
- ✔ RS-485 | 4-20mA + Pulse Relay Output
- ✔ NEMA 4X



Sound Wave Technology



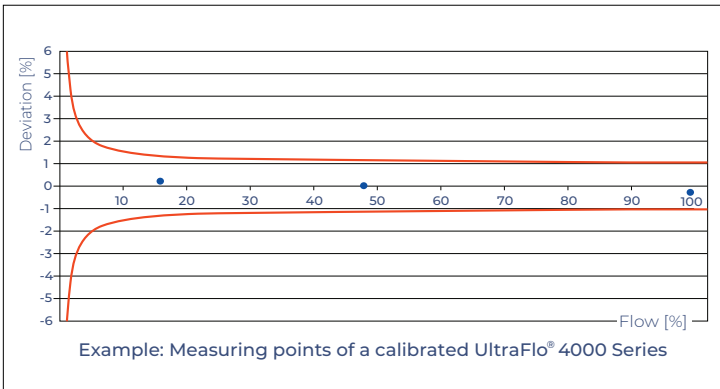
- ✔ 250 Pulses/sec
- ✔ No Moving Parts
- ✔ Full-Port Design
- ✔ Piezo-Type Sensing Transducers



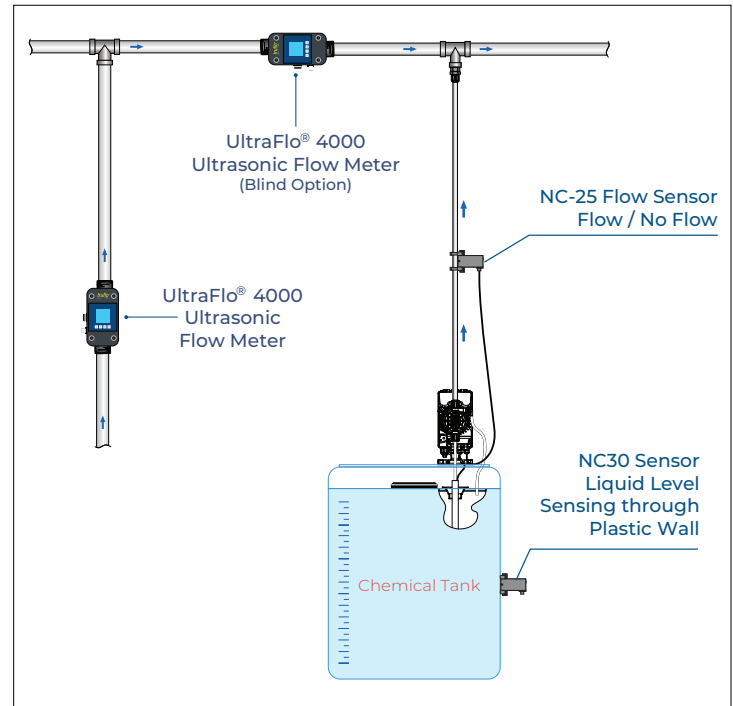
Technical Specifications

General				
Material	Polysulfone			
Protection Class	NEMA 4X IP67			
Medium Temperature	14 to 176°F -10 to 80°C			
Measuring Range GPM LPM	0.08 - 5.5 0.3 - 21	0.2 - 9.5 0.9 - 36	0.9 - 15.8 3.5 - 60	1.3 - 63.4 5 - 240
Max. Pressure Non-Shock	145 Psi 10 Bar	145 Psi 10 Bar	145 Psi 10 Bar	145 Psi 10 Bar
Process Connection				
Outside Thread	½"	¾"	1"	1¼"
Weight lbs	1.0	1.0	1.3	1.3
Electrical				
Power Supply	24VDC 3.6W			
Connection	M12			
Output	4-20mA + Pulse Relay RS-485			
LCD Display	Simultaneous display of Volume, Flow, Quantity, Bar Graph & Lighted			
Standards and Approvals				
CE FCC RoHS Compliant				

Measuring Points



Application Sample



Model Selection

UltraFlo® 4000 — Ultrasonic Flow Meter		
Size	Part Number	Material
½"	UFM-4000-50	PSU Polysulfone
¾"	UFM-4000-75	PSU Polysulfone
1"	UFM-4000-100	PSU Polysulfone
1¼"	UFM-4000-125	PSU Polysulfone

Add Suffix -

'S' - Sanitary Tri-Clamp End Connections