

UltraFlo® 4000 SERIES

Ultrasonic Flow Meter



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



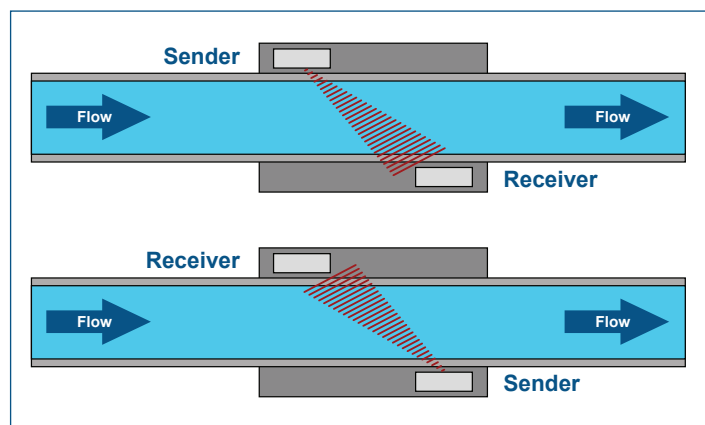
Product Description

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 alkalies.

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



PSU



Features

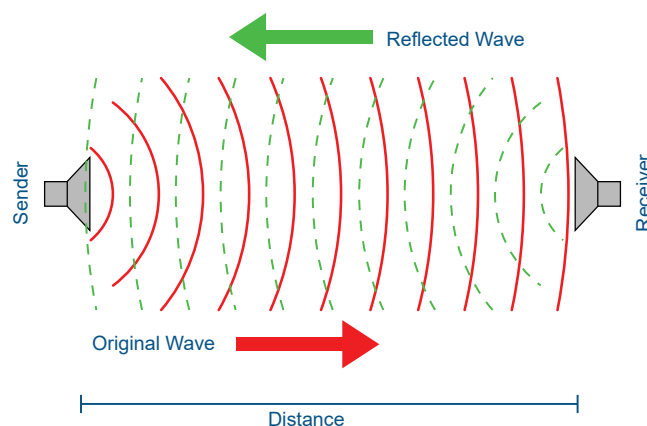
- ✓ All Plastic Polysulfone Wetted Materials
- ✓ High Accuracy: $\pm 1.0\%$
- ✓ M12 Quick Disconnect
- ✓ Superior Corrosion Resistance
- ✓ 4-20mA + Pulse Relay Output | RS-485
- ✓ Negligible Pressure Drop
- ✓ Empty Pipe Alarm
- ✓ Air Bubble Detection

Blind Display Option

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



Sound Wave Technology



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

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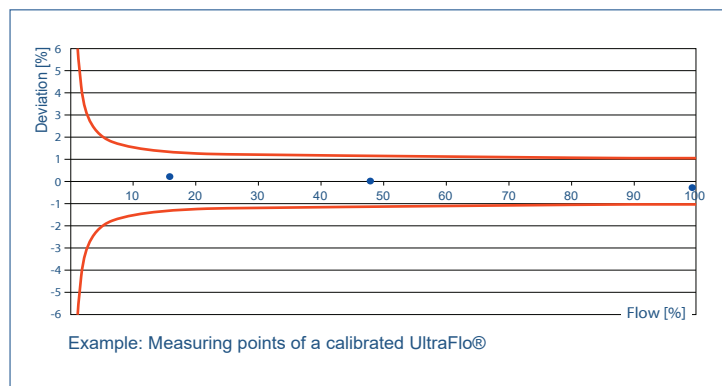
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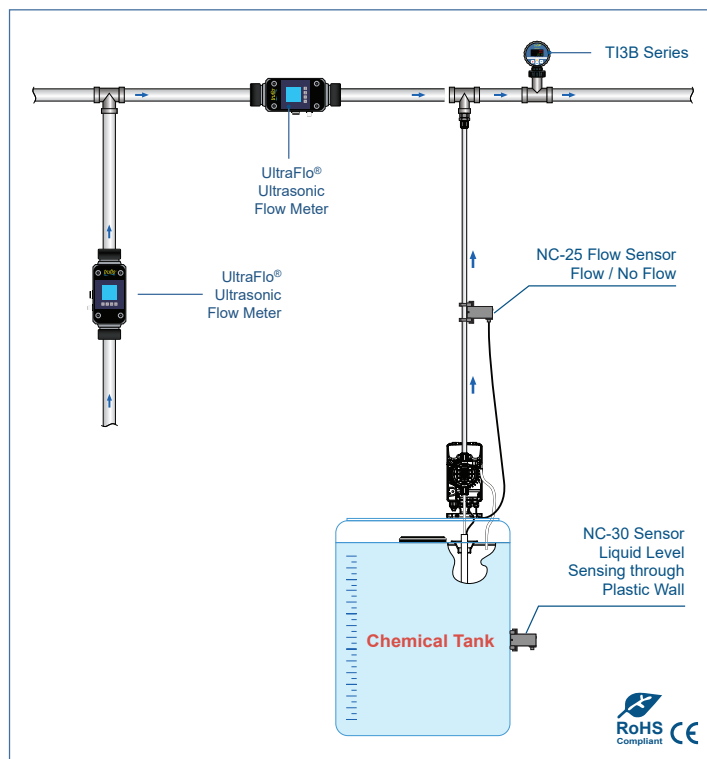
Technical Specifications

General				
Material	Polysulfone			
Protection Class	IP67 NEMA 4X			
Medium Temperature	14 -176°F -10°- 80°C			
Measuring Range GPM LPM	0.08 – 5.5 0.3 - 21	0.02 – 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			
Display				
LCD Display	Simultaneous display of volume flow, quantity, bar graph, lighted			
Standards and Approvals				
CE FCC RoHS Compliant				

Measuring Points



Application Example



Model Selection

Size	Part Number	Material
½"	UFM-4000-50	PSU
¾"	UFM-4000-75	PSU
1"	UFM-4000-100	PSU
1¼"	UFM-4000-125	PSU