

# UltraFlo® 4000 SERIES

## Ultrasonic Flow Meter



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



### 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



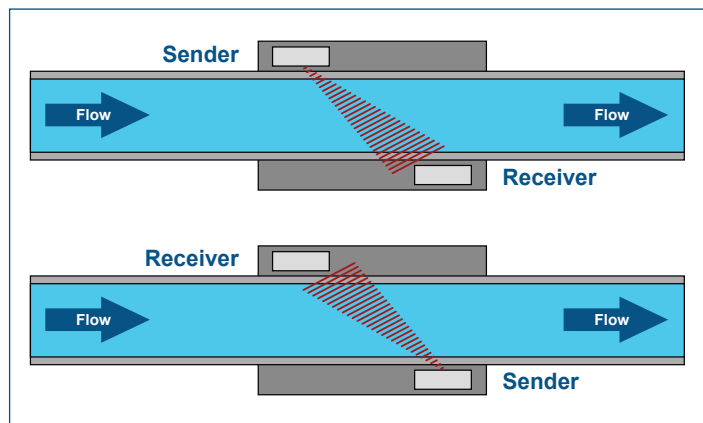
### Product Description

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.

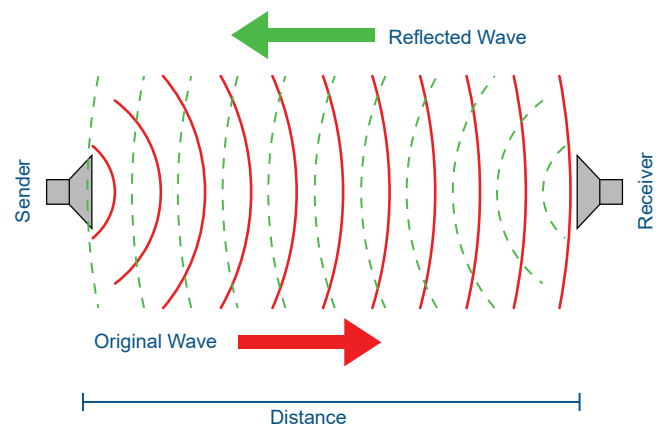
The **UltraFlo® 4000** has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant Polysulfone.

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

### Working Principle



### Sound Wave Technology

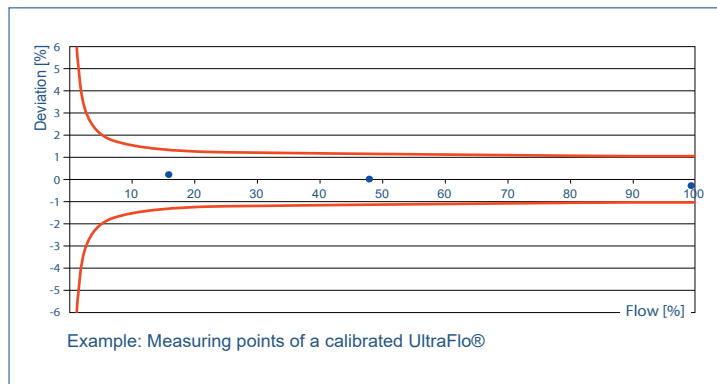


- ✓ 250 Pulses/sec
- ✓ No Moving Parts
- ✓ Full-Port Design
- ✓ Piezo-Type Sensing Transducers

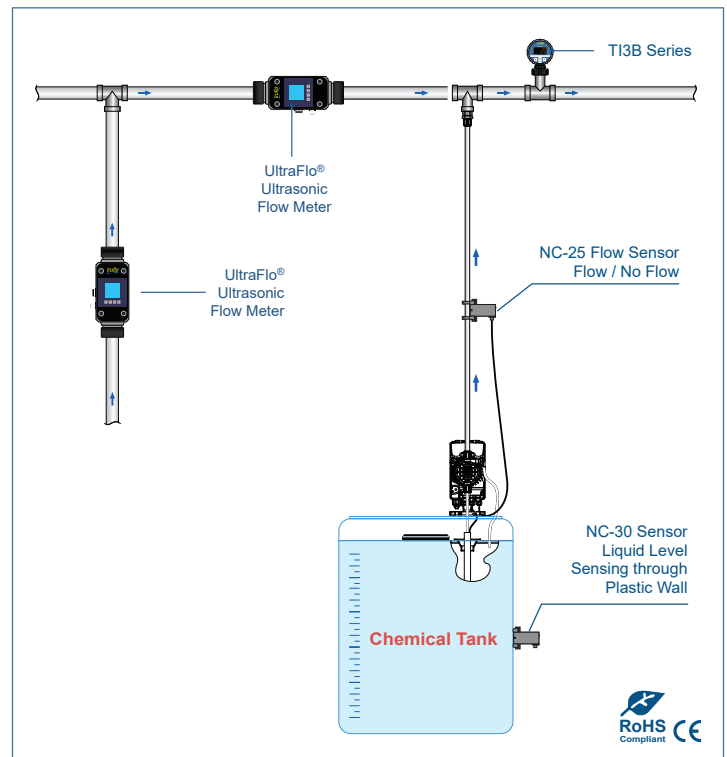
### Technical Specifications

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