

TruFlo® — UltraFlo® 5000 SERIES

Ultrasonic Flow Meter

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



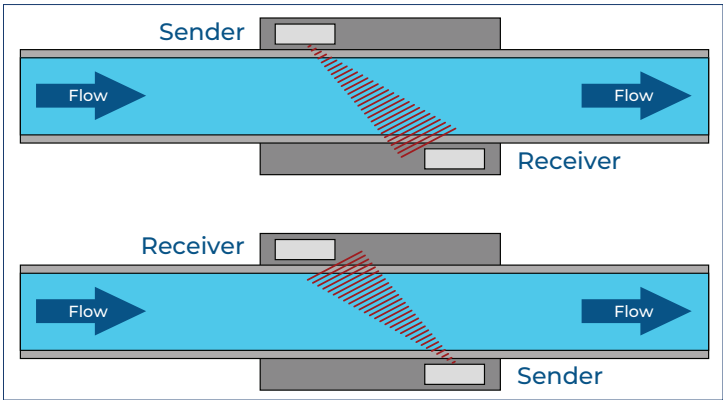
Product Description

The **UltraFlo® 5000** 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® 5000** has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant Polyethylene.

The **UltraFlo® 5000** is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.

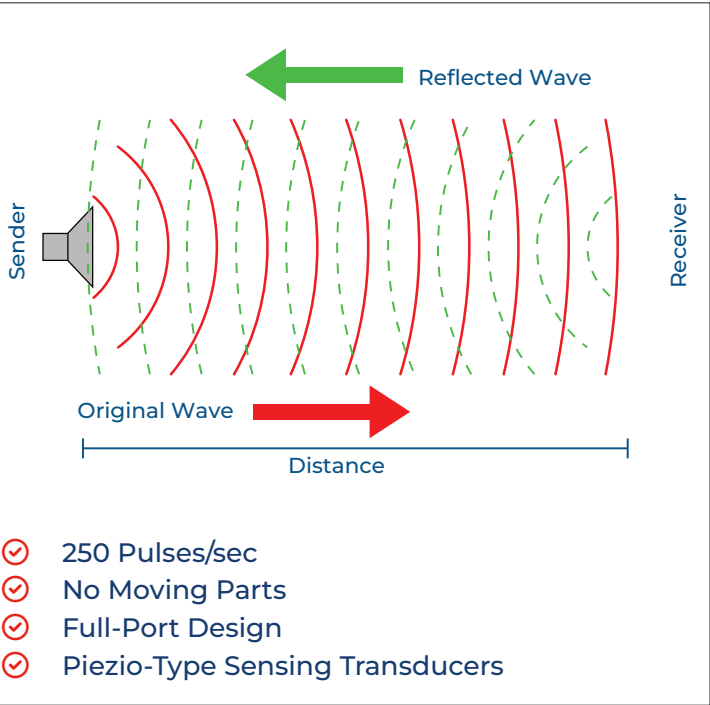
Working Principle



Featuring:

- ✓ All Plastic PE 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

Sound Wave Technology



Model Selection

UltraFlo® 5000 — Ultrasonic Flow Meter		
Size	Part Number	Material
1/2"	UFM-5000-50	PE
3/4"	UFM-5000-75	PE
1"	UFM-5000-100	PE



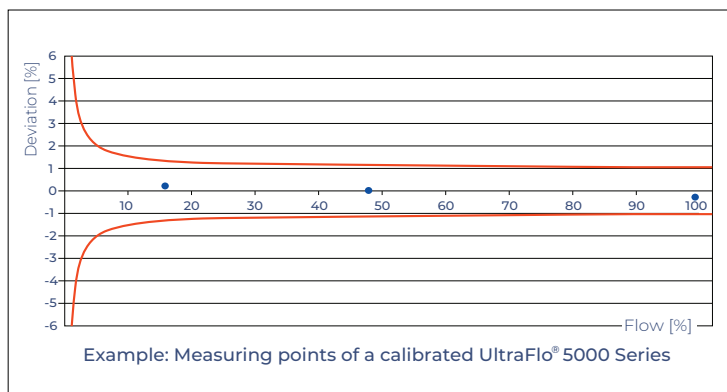
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Technical Specifications

General			
Material	Polyethylene		
Protection Class	NEMA 4X IP67		
Medium Temperature	14 to 176°F -10 to 80°C		
Measuring Range GPM LPM	0.005 - 0.8 0.02 - 3.0	0.02 - 1.6 0.09 - 6	0.08 - 6.3 0.3 - 24
Max. Pressure Non-Shock	100 Psi 7 Bar	100 Psi 7 Bar	100 Psi 7 Bar
Dimenions L W H mm	168 147 50	168 147 50	171 147 50
Weight PE lbs	1.4	1.4	1.6
Process Connection			
Outside Thread	½"	¾"	1"
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

