

UltraFlo® 5000 SERIES

Ultrasonic Flow Meter



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



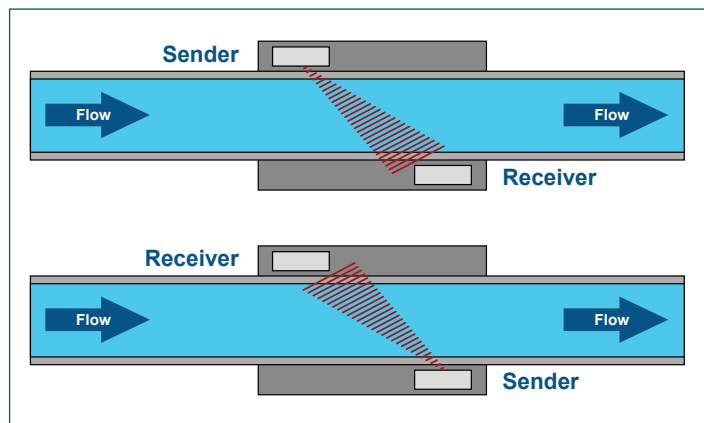
Product Description

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 Polysulfone.

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

Working Principle



PE

PVDF

RoHS

Compliant

Features

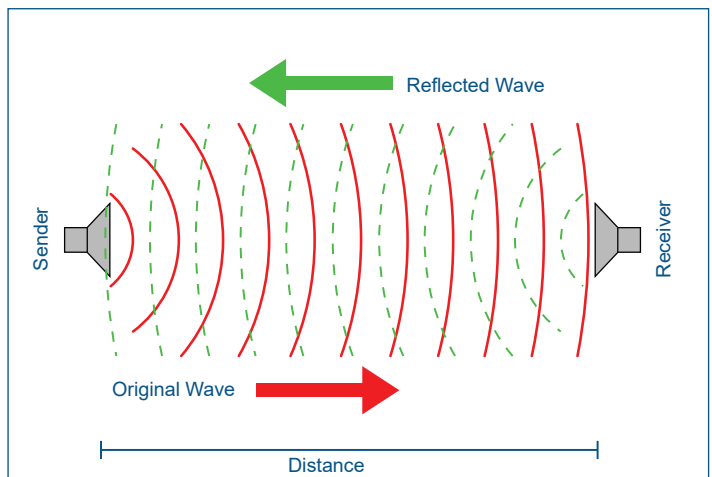
- ✓ All Plastic PE Wetted Materials
- ✓ High Accuracy: $\pm 1.0\%$
- ✓ M12 Quick Disconnect
- ✓ Superior Corrosion Resistance
- ✓ 4-20mA + Pulse Relay Output | RS-485
- ✓ Negligible Pressure Drop
- ✓ Empty Pipe Alarm
- ✓ Air Bubble Detection

Blind Display Option

- ✓ Output to a PLC or a Remote Display
- ✓ 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	PE		
Protection Class	IP67 NEMA 4X		
Medium Temperature	14 -176°F -10°- 80°C		
Measuring Range GPM LPM	0.005 - 0.8 0.2 - 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 7bar
Dimensions L W H mm	168 147 50	168 147 50	171 147 50
Weight PE lbs	1.4	1.4	1.6
Weight PVDF lbs	2.4	2.4	2.6

Process Connection

Outside Thread	½"	¾"	1"
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Electrical

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

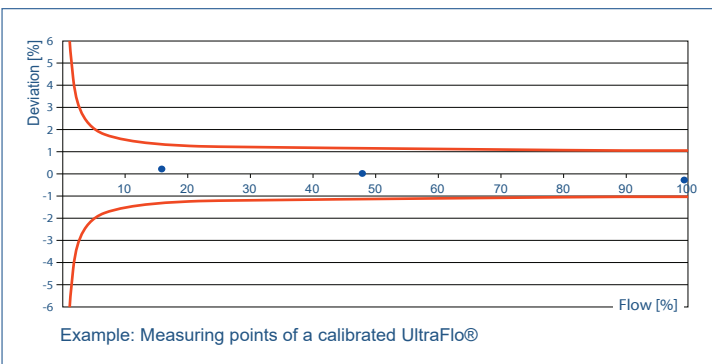
Display

LCD Display	Simultaneous display of volume flow, quantity, bar graph, lighted
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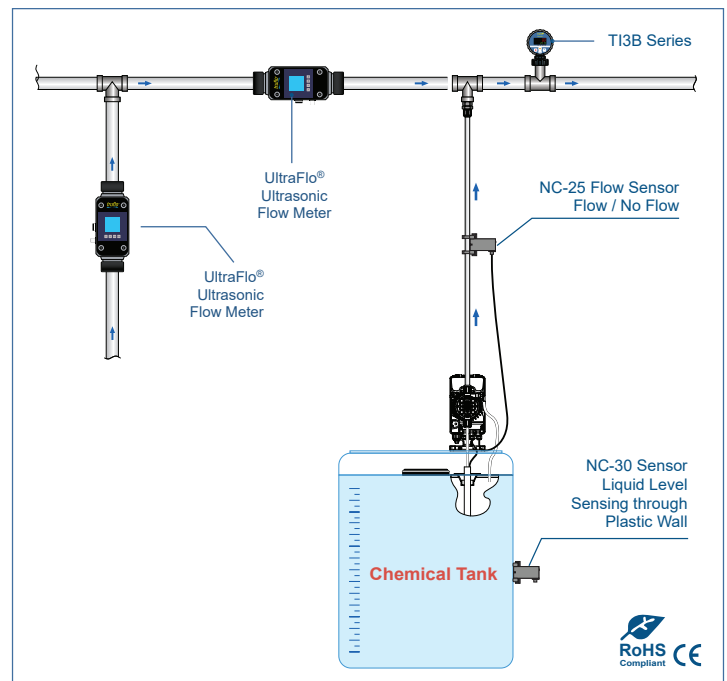
Standards and Approvals

CE | FCC | RoHS Compliant

Measuring Points



Application Example



Model Selection

Size	Part Number	Material
½"	UFM-5000-50	PE
¾"	UFM-5000-75	PE
1"	UFM-5000-100	PE