

# UltraFlo® UF-500

## Clamp-On Ultrasonic Flow Meter



### Ultra-Convenient, Ultra-Simple, Ultra-Versatile — UltraFlo®

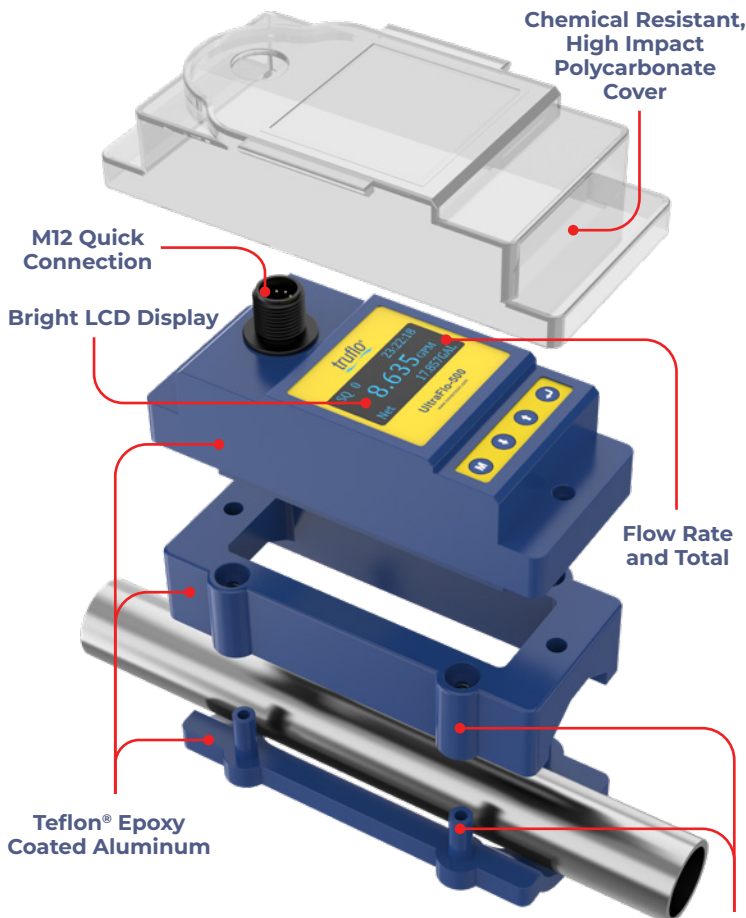
- ✓ Under 2 Minute Installation Time
- ✓ No Contact with Liquid
- ✓ No Moving Parts
- ✓ Simple to Install-No Cutting of Pipe
- ✓ Works on PVC | PP | PVDF | PE | SS | Copper ▶
- ✓ Pulse | 4–20mA | RS485 Output
- ✓ Flow Rate + Totalizer | Resettable
- ✓ Simple Programming
- ✓ Large Blue OLED Low Light Display



### Convenience, Accuracy and Value in an Ultrasonic Flow Meter

The Truflo® UF500 series clamp-on ultrasonic flow meters are easy to install with exceptional long life performance and they require no alteration to current piping configurations.

The sensor sends over 50 pulses/sec in order to provide accurate measurement of liquid flow rates in full pipes and can be used in low pressure systems.



- ✓ Wide Dynamic Flow Range of 0.3 to 15 ft/s | 0.1 to 5 m/s
- ✓ High Accuracy | ± 2.0% of Full Scale
- ✓ Pipe Sizes ½ – 4"
- ✓ Lightweight
- ✓ Excellent External Corrosion Resistance
- ✓ Data Logging (day, month, year)

Flow Rate/Net Totalizer		Run Time/Daily Totalizer /Month Totalizer/Year Totalizer		Flow Rate/S.ToT Totalizer	
SQ99	12:30:18	Runtime	216h	SQ99	12:30:18
14.8	GPM	Day	20887 gal	14.8	GPM
Net	9003 gal	Mth.	646992 gal	S.ToT	6311.1 gal
		Year	7488505 gal		

Flow Rate/Velocity /Net Totalizer		Velocity/Net Totalizer	
SQ99	12:30:18	20-03-23	12:30
Vel	3.8 FPS	27.7	FPS
Flow	895.2 GPH	S.ToT	6311.1 gal
Net	203119 gal		



Magnetic Connection (for easier installation)

Teflon® Epoxy Coated Aluminum



Aluminum



# UltraFlo® UF-500

## Clamp-On Ultrasonic Flow Meter



### General

Operating Range	0.3 – 15 ft/s	0.1 – 5 m/s
Pipe Size Range	½ – 4"	DN15 – DN100
Temperature Range	32 – 122°F	0 – 50°C
Repeatability	±0.8% of max. range @ 25 °C (77 °F)	
Linearity	±2.0% of max. range @ 25 °C (77 °F)	
Output	Pulse   4-20mA   RS485	

### Materials

Sensor Body	Epoxy Coated Teflon®   Aluminum
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### Electronics

Power Supply	24 VDC
Connection	M12

### Display

LCD 128 * 64 Dot Matrix
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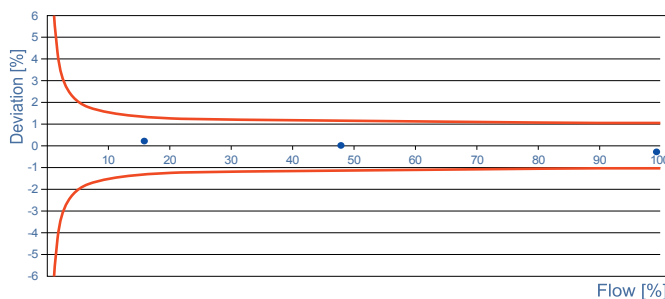
### Totalizer Units

6-Digit Accumulator
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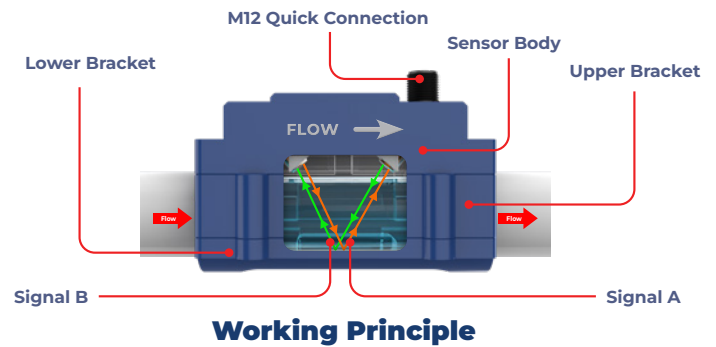
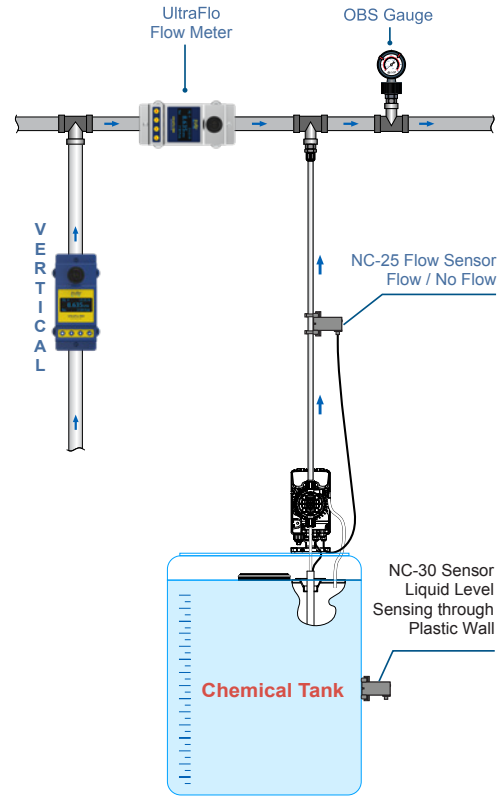
### Standards and Approvals

CE   FCC
RoHS Compliant

### Measuring Points



### Application Example



### Model Selection

UF-500 - T - 25

Body Material	Pipe Size
T: Teflon® Epoxy Coated Aluminum	15: ½" 25: 1" 50: 2" 100: 4"
A: Aluminum	20: ¾" 40: 1½" 80: 3"