

# ULTRAFLO 1000

## PFA Teflon Ultrasonic Flow Meter

Order from:  
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- Measures Continuous + Dosing + Pulsating Flow
- All Plastic Ultrasonic Measurement Technology
- Excellent Corrosion Resistance
- High Purity

PVDF

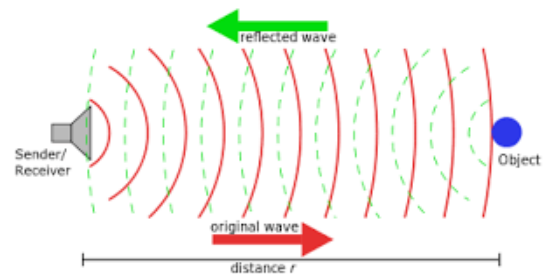
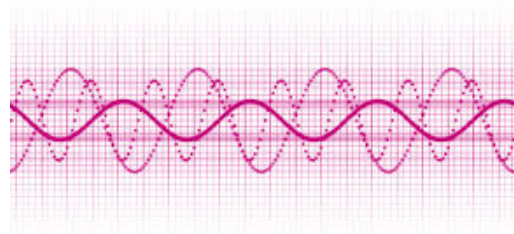
PFA



SERIES : ULTRAFLO 1000

CONNECTION NPT MALE : Flare Type /  
NPT

### Sound Wave Technology



### FEATURES

- All Plastic PFA Teflon
- Ultrasonic Flow Meter
- Flared Ends or NPT
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- RS-485 Output
- Blind Display
- 4-20mA Output + Pulse Relay
- Fit & Forget
- IP65 Enclosure
- Negligible Pressure Drop
- Empty Pipe Alarm

The UltraFlo 1000 Flow Meter uses 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. UltraFlo has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant PFA Teflon. The UltraFlo 1000 is characterized by its high measurement accuracy and repeatability

### Housing

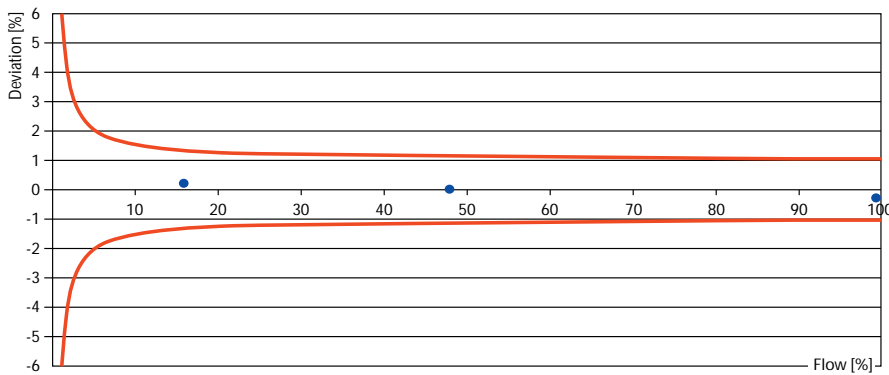
Material	Pipe	PFA (Perfluoralkoxy) Teflon			
	Electronics	PP (Polypropylene)			
	Nut	PVDF (Polyvinylidene fluride) or PFA option : NPT adaption (Flare to NPT), PFA			
Protection class		IP65 NEMA 4X			
Medium temperature		0° ... 80°C*			
End of Measuring Range in l/min		0.02/0.09 - 6	0.3 - 24	0.9 - 60	1.2 - 120
Max. Pressure		7 bar 100psi	7 bar 100psi	7 bar 100psi	7 bar 100psi

### Process Connection

Sealless tube connection (Flare)	3/8"	1/2"	3/4"	1"
Dimensions L/W/H in mm	209/120/79	209/120/79	209/120/82	209/120/92
Weight in kg	1.3	1.3	1.3	1.6
Weight [kg] in PVDF	1.1	1.1	1.19	1.47

### Electronics

Power supply	24VDC / 3.6W
Connection	M12x1 plug, 5 or 8 pin
Outputs	Current output 0/4-20 mA 2 digital outputs, configurable as pulse and/or alarm output
Input	1 digital input, usable for dosing start or zero offset
Communication interface	Data interface (1 wire) alternative RS-485 (2 wire)
Max. error of measurement	±2% o.r. ±3 mm/s (o.r. = of reading) option. ±1% o.r. ±3 mm/s (o.r. = of reading) Reference conditions (VDI/VDE 2642)



Example: Measuring points of a calibrated Truflo in error graph according definitions

Size	Part Number	Material
3/8"	UFM-1000-37	PFA (Teflon)
1/2"	UFM-1000-50	PFA (Teflon)
3/4"	UFM-1000-75	PFA (Teflon)
1"	UFM-1000-100	PFA (Teflon)

