CSA

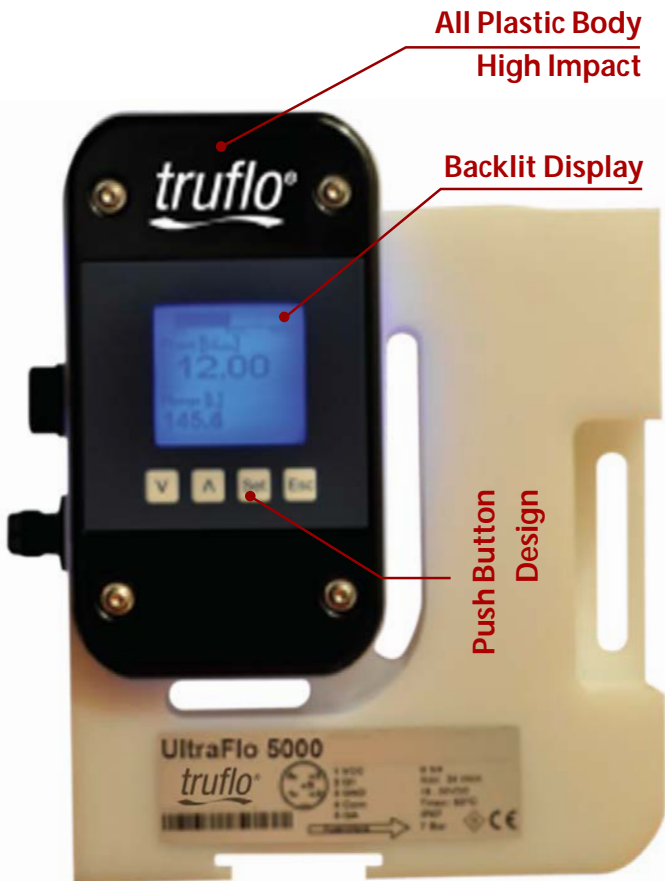# PVDF-PE Ultrasonic Flow Meter
Measures Continuous + Dosing + Pulsating Flow
### All Plastic Ultrasonic Measurement Technology-Plug & Play

All Plastic Body High Impact

Backlit Display

Push Button Design

UltraFlo 5000

Features

- **Industry's Toughest All Plastic Ultrasonic Flow Meter**
- **All Plastic Design**
- **Heavy Duty Design; Simple to Install**
- **Completely Corrosion Resistant**
- **RS-485 Output, 4-20mA**
- **Display Flow Rate + Totalizer**
- **4-20mA Output + Pulse Relay**
- **Fit & Forget**
- **IP67 Enclosure**
- **Negligible Pressure Drop**
- **Empty Pipe Alarm**

The UltraFlo 5000 is a Flow Meter that utilizes ultrasonic technology to measure both conductive and non-conductive liquids, It 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 or PVDF. The UltraFlo 5000 is characterised by its high measurement accuracy and repeatability
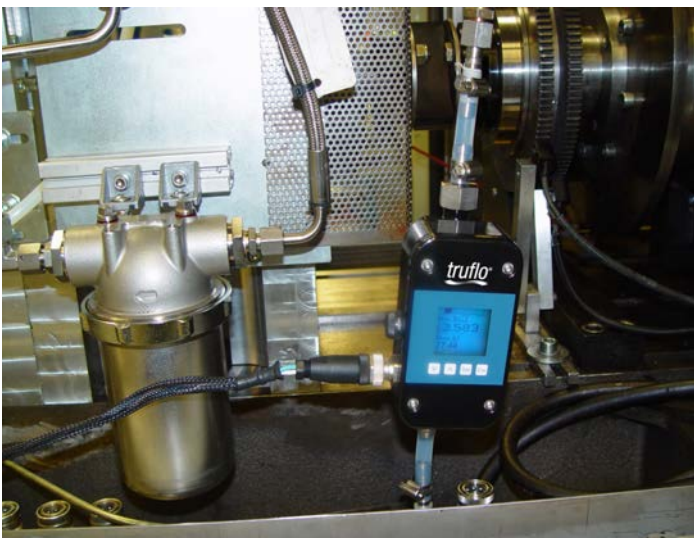
Housing

Material	PE-HD (Polyethylene) or PVDF (Polyvinylidenfluoride)			
Protection class	IP65 NEMA 4X			
Medium temperature	PE 0…60 (0-140°F) PVDF-10-100C (-14-212°F)			
Measuring range	0.024-3	0.09-6	0.3-24	0.9-60
Nominal pressure max. [bar]	7 100psi	7 100psi	7 100psi	7 100psi
Dimensions L/W/H [mm]	168/147/50	168/147/50	171/147/50	176/147/55
Weight [kg] in PE-HD	0.67	0.67	0.72	0.89
Weight [kg] in PVDF	1.1	1.1	1.19	1.47

Process connection

Outside thread G or NPT	1/2"	3/4"	1"	1-1/4"

Electronics

Power supply	24VDC, ca. 3.6W
Electrical Connection	5 or 8-pin plug
Display	Simultaneous display of volume flow, quantity, bar graph, lighted
Input	1 digital input, usable for dosing start
Outputs	2 digital outputs, configurable as pulse output or empty pipe alarm, Current output configurable 0/4-20mA, RS485-data interface.
Max. error of measurement	±2%o.r. ±3mm/s (o.r. = of reading), option ±1%o.r. ±3mm/s Reference conditions (VDI/VDE 2642)
Repeatability	± 0.05%
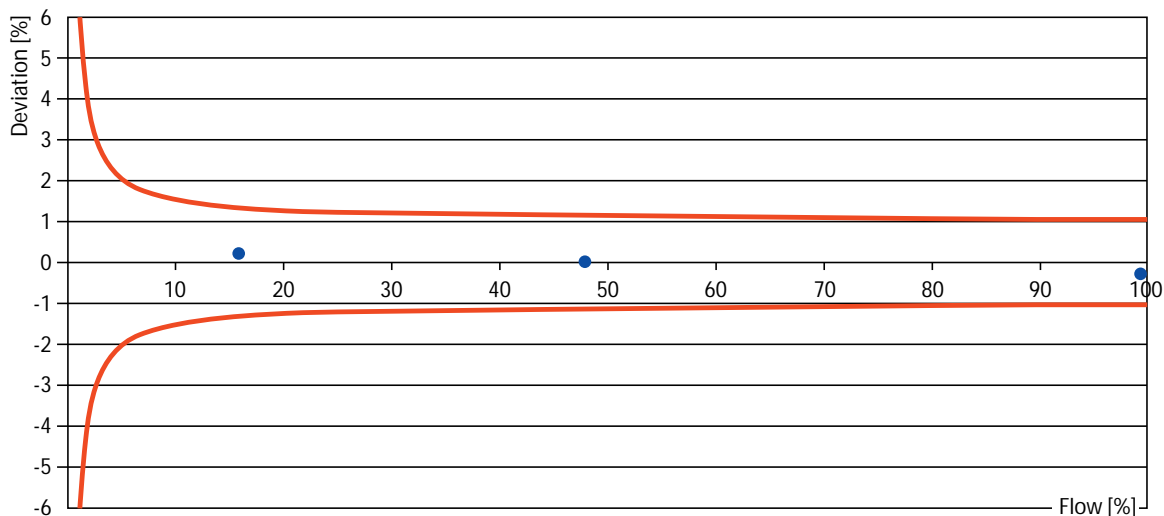
Example: Measuring points of a calibrated Truflo in error graph according to definitions