

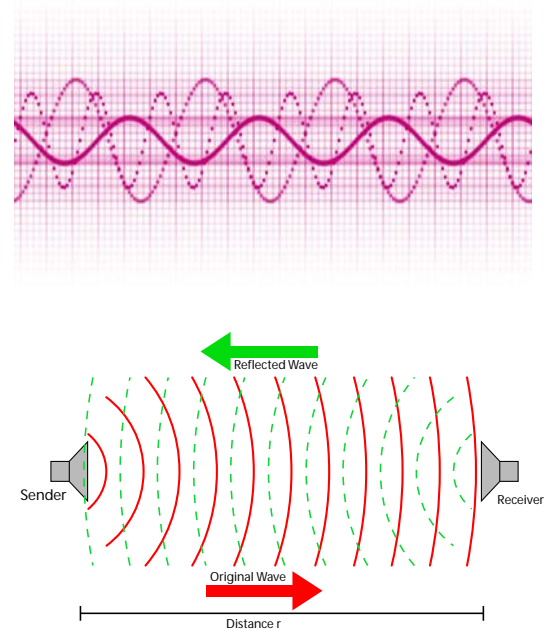
- Measures Continuous / Dosing / Pulsating Flow
- Ultrasonic Measurement
- No Moving Parts
- Low | High Flow Applications



SERIES : ULTRAFLO 45i
CONNECTION : Union NPT / G / Soc



Sound Wave Technology



FEATURES

- Empty pipe detection
- Air bubble detection
- Flow Rate + Flow Total
- 4-20mA Output
- Relay Output
- Suitable for Dosing
- Pulsating Flows
- True Union Design

DESCRIPTION

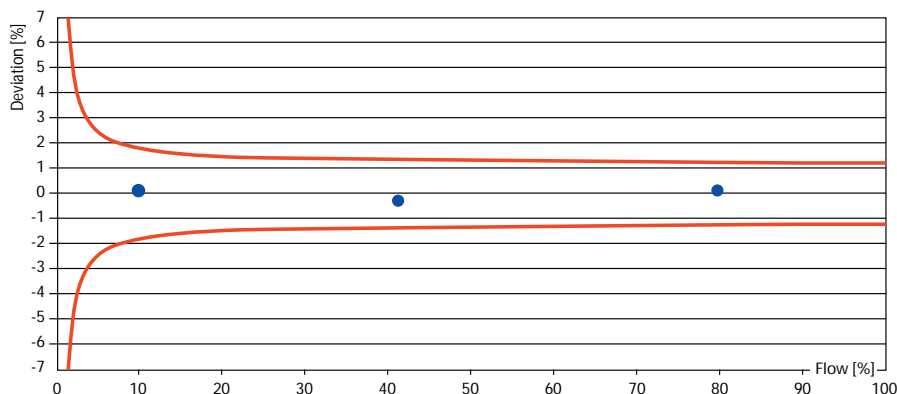
The Ultraflo 45i series flow meter is designed to measure the volume of clean liquid media using ultrasonic technology. The Ultraflo 45i can measure both conductive and non-conductive liquids. The Ultraflo has no moving parts and is absolutely free of wear. The unique body design minimizes dead space over the whole geometry. All wetted parts in contact with the medium are constructed of HD-PE virgin material. The Ultraflo 45i is characterized by its high repeatability and measurement accuracy.

Housing

Material	PE-HD (Polyethylene)
Protection class	IP65
Medium temperature [°C]	0 - 50°C
Measuring range [l/min]	3-300
Nominal diameter [DN]	32
Nominal pressure max. [bar]	7
Process connection GF-thread	2"
Dimensions L/W/H [mm]	220/95/98
Weight [kg]	1

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	$\pm 2\%$ o.r. $\pm 3\text{mm/s}$ (o.r. = of reading), option $\pm 1\%$ o.r. $\pm 3\text{mm/s}$ Reference conditions (VDI/VDE 2642)
Repeatability	$\leq 0.5\%$



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



Size	Part Number	Material
2"	UFM-2000-50	HD Polyethylene