ULTRAFLO 2000

Multi-Function Ultrasonic Flow Meter

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

PSU

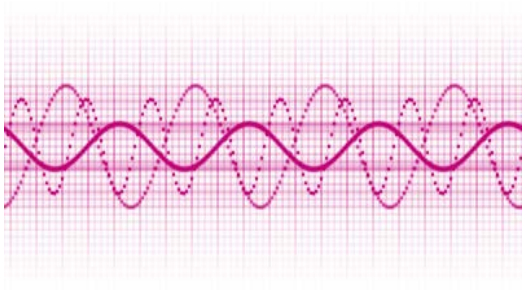
RoHS Compliant CE

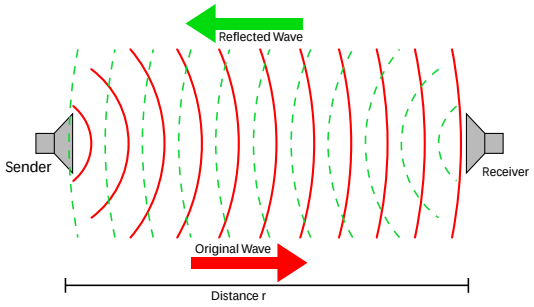
SERIES : ULTRAFLO 2000

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 2000 series flow meter is designed to measure the volume of clean liquid media using ultrasonic technology. The Ultraflo 2000 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 2000 is characterized by its high repeatability and measurement accuracy.

ULTRAFLO 2000

Multi-Function Ultrasonic Flow Meter

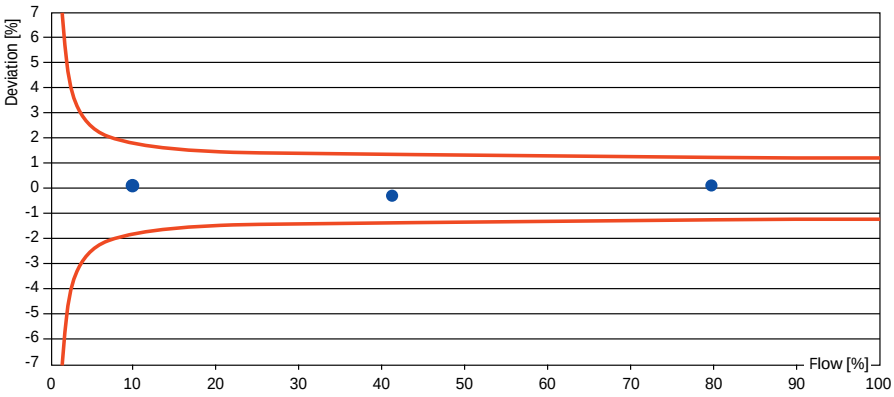
truflo®

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	±2%o.r. ±3mm/s (o.r. = of reading), option ±1%o.r. ±3mm/s Reference conditions (VDI/VDE 2642)
Repeatability	≤ 0.5%



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



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

RoHS Compliant CE