



# Ultrasonic Flowmeter

## PUDF 301

### Doppler



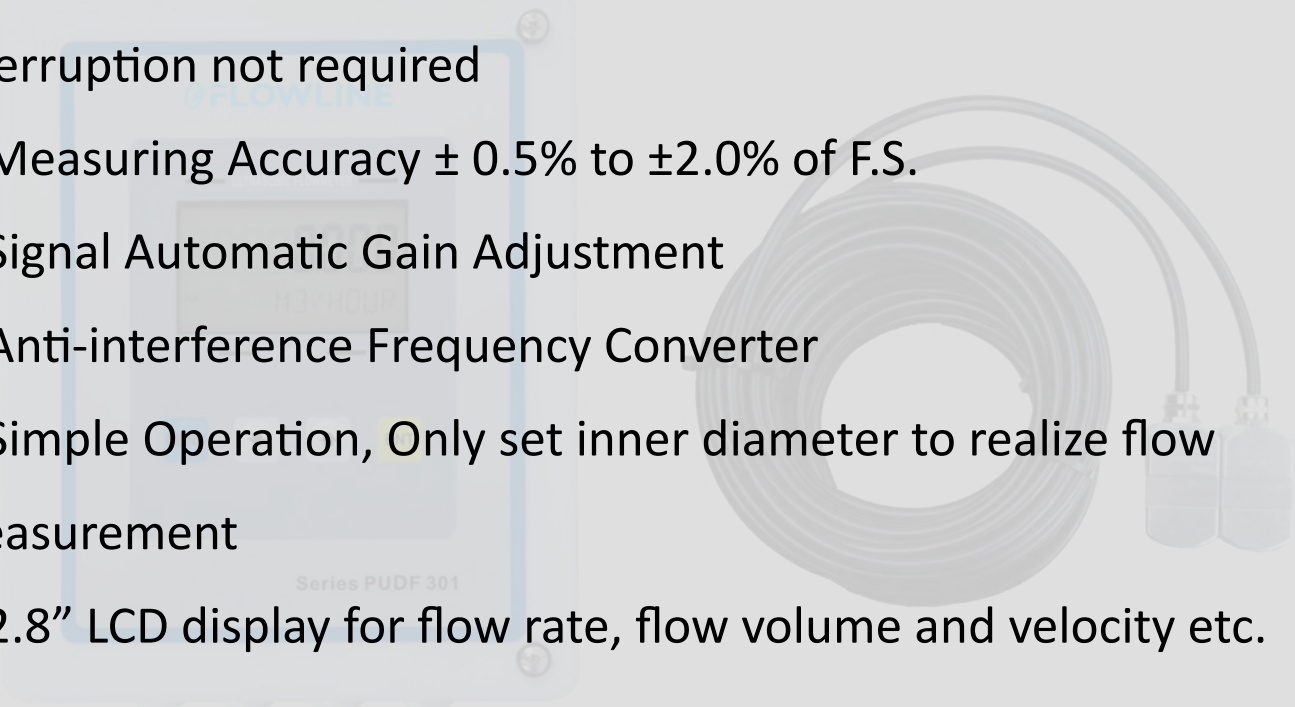
# PUDF 301

## Clamp On Doppler Ultrasonic Flowmeter

Flowline PUDF clamp on ultrasonic flowmeter is designed for measuring liquid with suspended solids, air bubbles or sludge in a sealed closed pipeline. Non-invasive transducers are mounted outside surface of the pipe. It has advantage that measurement is not influenced by pipe scale or blockage. It is simple to install and calibrate due to unnecessary pipe cutting or flow stop.

### Features

- Non– invasive Installation, Unnecessary pipe cutting or flow interruption not required
- Measuring Accuracy  $\pm 0.5\%$  to  $\pm 2.0\%$  of F.S.
- Signal Automatic Gain Adjustment
- Anti-interference Frequency Converter
- Simple Operation, Only set inner diameter to realize flow measurement
- 2.8" LCD display for flow rate, flow volume and velocity etc.



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## Clamp On Doppler Ultrasonic Flowmeter

### Technical Specifications

#### Transducer

Protection Class	IP67
Fluid Temperature	Std. Transducer: -40°C to 85°C (Max. 120°C) High Temp.: -40°C to 260°C
Pipe Size	40mm to 6000mm
Transducer Material	Std. Aluminum Alloy, High Temp. (PEEK)
Cable Length	Std. 10m (Up to 300m Optional)

#### Transmitter

Velocity	0.05 to 12 m/s, Bi-directional measurement
Repeatability	0.4%
Accuracy	± 0.5% - ± 2% F.S.
Response Time	2-60s (selected by user)
Measuring cycle	500ms
Suitable Fluid	Liquid containing more than 100ppm of reflector (Suspended solids or air bubbles), reflector > 100micron
Power Supply	AC - 85-265VAC, DC - 24VDC/500mA
Installation	Wall Mount
Protection Class	IP66
Operational Temperature	-40°C to 75°C
Enclosure Material	Fiberglass
Display	2.8" LCD, 8 Digits flowrate, volume (resettable)
Measuring units	Volume/mass/velocity: Liter, m3, Kg, meter, gallon etc. Flow time unit: second, minute, hour, day
Communication Output	4-20 mA, Relay, OCT
Security	Keypad Lockout, System Lockout
Keypad	4 Buttons
Size	8x6.13x3.17 inch