

PUDF302

Insertion Doppler Ultrasonic Flow Meter

Summary >>>

PUDF302 insertion doppler ultrasonic flow meter is designed for measuring liquid with suspended solids, air bubbles or sludge in a sealed closed pipeline. Insertion transducer can receive high signals and accurately measure in scale or non-acoustic pipes. Simple installation without pipe cutting or flow interruption due to the transducer with stop ball valve. For unable directly drilling pipe or not smooth surface pipe, we mount hoops while installation.



Features >>>

- Suitable For All Common Pipelines, Including Scale, Non-conductive, Cement, Cast Iron etc.
- Easy Installation, Without Pipe cutting or Processing Interruption
- Measuring Accuracy $\pm 0.5\% \sim \pm 2.0\% \text{F.S}$
- Signal Automatic Gain Adjustment
- Anti-interference Frequency Converter
- Simple Operation, Only Set Inner Diameter To Realize Flow Measurement
- 2*8 LCD Display Flow Rate, Volume, Velocity etc.

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Specification >>>

• Transmitter

Measuring Principle	Doppler Ultrasonic
Velocity	0.05 - 12 m/s, Bi-directional
Repeatability	0.4%
Accuracy	±0.5% ~ ±2.0%F.S
Respond Time	2-60s (select by user)
Measuring Cycle	500 ms
Fluid	Liquid containing more than 100ppm reflector (suspended solids or air bubbles), reflector > 100 micron
Power Supply	AC: 85-265V DC: 24V/500mA
Installation	Wall mounted
Protection Class	IP66
Operation Temperature	-40°C ~ 75°C
Enclosure Material	Fibreglass
Display	2*8 LCD display, 8 digits flow rate, volume (resettable)
Measuring Unit	Volume/mass/velocity: liter, m ³ , kg, meter, gallon etc. flow time unit: second, minute, hour, day
Communication Output	4~20mA, Relay, OCT
Keypad	4 buttons
Size	8*6.13*3.71 (inch)
Weight	2.4kg

• Transducer

Protection Class	IP68
Fluid Temperature	Std. Transducer -40°C ~ 85°C(Max. 120°C) High Temp. -40°C ~ 160°C
Pipe Size	65mm-6000mm
Transducer Type	Std. transducer Extended transducer
Transducer Material	Stainless steel
Cable Length	Std. 10m (customized)

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Model Selection >>>

PUDF302	Insertion Doppler Ultrasonic Flow Meter
Power Supply	
A	85-265VAC
D	24VDC
S	Solar power
Output Selection 1	
N	N/A
1	4-20mA
2	Relay
3	OCT
Output Selection 2	
Same As Above	
Transducer Type	
1	Standard-weldable pipe
2	Extended with hoops-unweldable pipe
Transducer Temperature	
N	-40°C~85°C(Max. 120°C)
H	-40°C~160°C
Pipe Size	
XXX	100-100mm, 1200-1200mm
Cable Length	
10m	10m std.
Xm	Common cable, Max. 30m
XmH	High Temp.cable

For Example: PUDF302-A-1/1-N-0400-010

Stands for: PUDF302 insertion doppler ultrasonic flow meter, 220VAC power supply output 4-20mA, standard transducer, standard temperature, pipe size DN400, cable length 10m.