F3001
Ultrasonic Gas Flow Meter

VF3001-002.00-13/04

Description

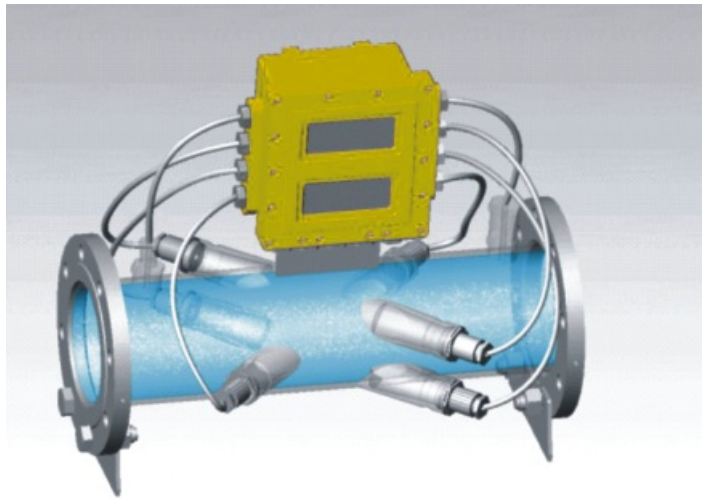
F3001 Ultrasonic Gas Flow Meter is based on the theory of acoustic transit time to calculate the average velocity of gas movement by measure time of the upstream and downstream, in which the ultrasonic waves generated by two bi-directional transducers travel along the path angled with respect to pipe axis.

Features

- No moving parts, low pressure drop, low maintenance
- Bi-directional measurement
- Simple installation, excellent performance
- High accuracy and good reliablility
- Ex-proof: Exd(ib)ⅡBT4(exclude acetylene)
- Temperature and pressure compensation
- Real time LCD display

Specification

- Accuracy : ±0.5%, ±1.0%, ±1.5%
- Communication Protocol: Modbus protocol
- Output Signal : Pulse, 4 to 20mA current, RS485
- Working Temperature: -25℃ to +55℃
- Humidity: 5% to 95%RH(25℃)
- Working Pressure: 230psi(16bar),360psi(25bar),580psi(40bar)
- Power Supply: DC 18 to 36V, AC 85 to 265V 50/60Hz



Application

F3001 Ultrasonic Gas Flow Meter can be applied extensively to the supply, transmission, distribution of most dry gas in fields such as underground air storage, power stations, petrochemical industry, aluminum melters etc.
There is a wide range of gas can be measured by F3001 including natural gas, compact gas, compressed air, fuel gas, corrosive gas, poisonous gas, high-purity gas etc.

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Model Selection

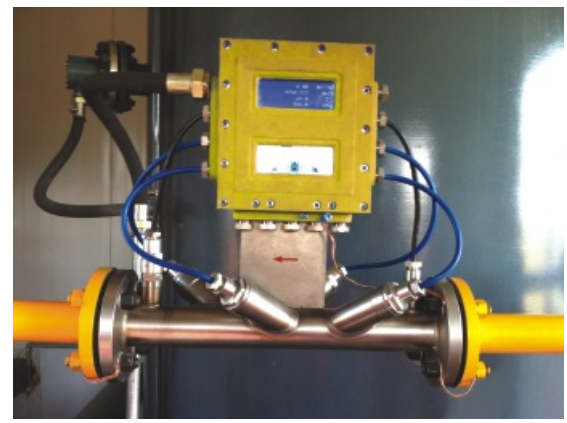
F3001-□□□ □ □ □ □□ □ □ □ □ □□

0 1 2 3 4 5 6 7 8 9 10

0. F3001 Ultrasonic Gas Flow Meter
1. Size : 025-1"(25mm), 040-1 1/2'(40mm),050-2"(50mm),080-3"(80mm),100-4"(100mm),150-6"(150mm),200-8"(200mm),250-10"(250mm),300-12"(300mm)
2. Medium: Q- Gas
3. IP: A- General Version, B- Ex-proof Version Exd(ib) ⅡBT4 (exclude acetylene)
4. Power Supply: 1-DC
5. Modbus Output: R4-RS485, R0-No
6. Structure: 1-Compact version, 2- Remote version
7. Compensation Function: W-with temperature and pressure compensation, N- no compensation
8. Working Pressure : 1-230psi(16bar),2-360psi(25bar),3-580psi(40bar)
9. Output signal: F- pulse output , I-(4 to 20)mA current output
10. Accuracy : 05- ±0.5%, 10- ±1.0%, 15- ±1.5%

e.g. F3001-080 Q B 1 R4 2 W 3 I 05

F3001 Ultrasonic Gas Flow Meter, DN=80mm, medium is gas, explosion-proof version, power supply is DC 18 to 36V, output port is RS485, Remote version, with temperature and pressure compensation, working pressure is 580psi(40bar), output signal is current (4 to 20)mA, accuracy is ±0.5%.



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