Ultrasonic Gas Flowmeter Xonic 10G
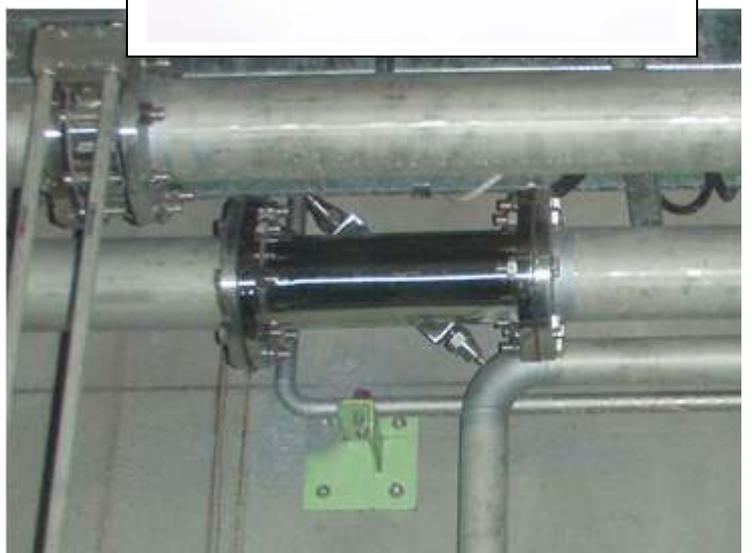
System Description

- Ultrasonic Transit-Time Method
- Self-Diagnostic Oscilloscope Function
- Measure from 0.01 m/s
- Velocy Range : ±40 m/s
- Large Color Graphic LCD
- Excellent Product from Korea
- Easy Remocon Programming

Xonic 10G Ultrasonic Flowmeter use ultrasonic transit-time method, and has better performance than traditional DP type flowmeters. Xonic 10G can use 1 pair or 2 pair transducers according to applications, and compensate temperature changes with it's own sound speed measurement function with optional temperature sensor.

Xonic 100G is newly developed ultrasonic gas meter and has very sophisticated fuctions for better performance. Xonic 10G certified New Excellent Product from Korea government and has more 10 patents.

DP type gas flowmeters have pressure loss, and they have very limited flow range. So, they are difficult to measure very low flow and very high flow. But, ultrasonic flowmeter do not have pressure loss, and can measure from very low flow to very high flow, because velocity range is from -40 m/s to +40 m/s, and can measure very low velocity 0.01 m/s.

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No Moving Parts

Explosion Proof Xonic 10GX

Application

Xonic 10G use transit-time, time difference method to measure flow, and use DSP technology for best performance. And, also it use Cross Correlation technology and FFT technology for very clean ultrasonic signal. Xonic 10G can be used for air, natual gas, combustion gas, etc.

Input and Output

- 2 Analog Inputs for Temperature & Pressure
- 2 Analog Outputs for Total & Alarms
- RS232C/485 Modbus

Xonic 10G Performance

- Velocity Range : 0.01~40m/s
- Accuracy : 1.0% single path
             0.5% dual path
- Sensitivity : 0.01m/s
- Datalogger : 4Mb
- Repetability : 0.25%
- Display : Color Graphic LCD 128x64
- Operating Temperature
    Flow Computer : -20 ~ +60℃
    Transducer : -40 ~+120℃
- Power : DC12~24V
- Enclosure : IP65
- Transducer : IP68 (intrinsically safe)

Explosion Proof Model 10GX

- Explosion Proof Ex d IIB T6
- Cast Aluminum Alloy Case
- Wall Mount Type
- Size : 220(W)x350(H)x170(D)