

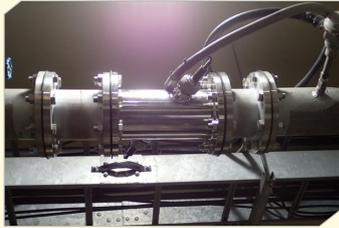
Ultrasonic in-line Gas Flowmeter **Xonic[®] 7GI**

- ✓ **IECEX Certified**
- ✓ **KCs Certified**
- ✓ **Biogas**
- ✓ **Natural Gas**
- ✓ **AIR**



Xonic-7GI is the first ultrasonic in-line gas flow meter developed in Korea. As it uses the Ultrasonic Transit-time Technology, Xonic-7GI has superior performance compared to conventional differential pressure gas flow meters. Depending on pipe sizes, it uses one path or three paths of ultrasonic sensors, and the temperature sensor is embedded for volume compensation.

Xonic® 7GI



Outstanding Performance

Xonic-7GI has a wider velocity range and higher accuracy compared to the existing mechanical type. It's dust & moisture resistant and maintains accuracy of 1.0%. The minimum to maximum flow rate ratio is over 200 times.

Digital Signal Processing

Xonic-7GI uses Jain Technology's patented AR®(Anti-Round) beam ultrasonic signal and calculates the transmission time difference according to the velocity, using DSP technology for accurate analysis.

Self-Diagnostic / Test Function

You can see all the operation of the flowmeter on the LCD screen. In particular, the ultrasonic signal oscilloscope function, which is easy to use, allows you to check the operating state of the flow meter immediately.

General Specification

Measurement Method	Ultrasonic Transit-Time Difference
Velocity	-30m/s ~ 30m/s
Minimum Velocity	0.05m/s
Display	Flow (Instant, Standard, Mass), Total Flow, Velocity
Accuracy	1.0%
Reproducibility	0.25%
Diagnostic Function	Shape of Ultrasonic Signal, Value Gain, ΔT, FFT
Measuring Gas Type	Natural gas, Biogas, Air
Ex Certification	Domestic : KCs 22-KA2BO-0594X International : IECEx KTL 22.0029X
Ambient Temperature	-20°C ≤ Ta ≤ 60°C
Protection Level	Ex ia II C T6 Ga / Ex db II C T6 Gb

Characteristic

- Moisture or dust resistant
- 0.05 m/s Measuring low flow rates
- Wide measuring range 200:1
- No moving parts
- Pressure loss control
- Easy to install and maintain
- Temperature sensor and volume compensation

Converter

Encloser	IP68
Explosion Proof IECEx	IECEx FTZU 09. 0031U
In / Output	Analog In Analog Out
Interface	RS-232C, RS-485 MobBus
Power	12~24VDC

Transducer

Flange Range	50~ 300mm flange type
Material	Stainless
Working Pressure	20 bar below

※ Above specifications can be changed without prior notice. Xonic® is a registered trademark of JAIN TECHNOLOGY and AR® (Anti-Round) Beam is JAIN TECHNOLOGY's patented technology.