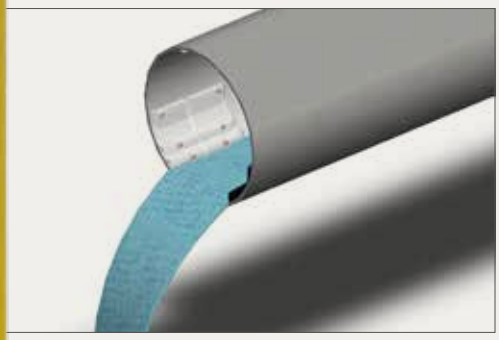
Ultrasonic Sewer Pipe Flowmeter

Xonic® 100LO

- **Maintain accuracy at low flow**
- **Transit-Time method**
- **Patented Product**
- **Co-developed with Korea Environment Corporation**



Xonic 100LO is developed for measuring full and partly filled sewer pipe. It has specially designed 4 path transducer that allows system to measure both low flow at midnight and high flow during rainy season. Comparing to doppler flowmeter, this design never disturb flow and easy to install and maintain.

Xonic®100LO

Application
Xonic 100LO is especially designed to measure full and partially filled sewer pipe. It measures flow velocity directly with 4 path transducers and use level transmitter to receive level data.

High Accuracy
Transit-Time ultrasonic flowmeter has an outstanding performance than doppler type as it uses 4 path transducers to measure velocity of each path.

Full Pipe and Low Flow
Xonic 100LO can measure even very low flow at midnight and full pipe during rainy season.

Maintenance Cost
Patented design is free from sand and sediments. So, transducer does not require regular inspection.

Flow Compensation
When sediment is formed, system compensate flow by correcting sectional area.

Alarm Function
System alerts only when slurry is stacked up near sensor area, and user must check the site and clean the pipe. Therefore, regular site inspection is unnecessary and maintenance cost can be reduced significantly.

Low Carbon & Green Growth Product
Xonic 100LO is low carbon & green growth product with low power consumption. It can also be operated with solar power energy.

Specification

Principle	AR(Anti-Round), Transit-Time Cross Correlation
Measuring Path	4 path
Measuring Width	150~600mm
Velocity	0~10m/sec
Accuracy	2%
Data Input	4-20mA (level meter)
Data Output	4-20mA, Relay, RS232C/485 modbus
Display	Large Color LCD 128x64
Temperature	Electronics: -20~+75°C / Transducer: 0~+60°C
Power	AC110~220V
Protection Degree	Enclosure: IP65 / Transducer: IP68 submersible