

# Portable Ultrasonic Flowmeter Xonic 100P

- Battery operated up to 10 hours operation
- Transit–Time Ultrasonic DSP technology
- Water proof Model
- Rugged Case, IP67
- Weight 2,4Kg



# Portable Ultrasonic Flowmeter Xonic® 100P 10 Hours Operation with Batteries!

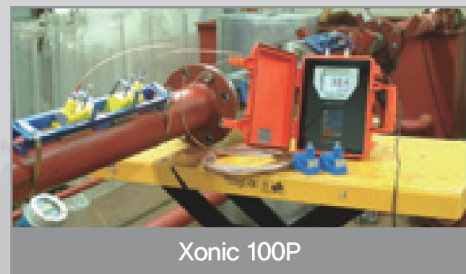
## ► Application

- **As Standard Flowmeter** : Xonic 100P can be used to check the performance of field flowmeters.  
The Xonic 100P can be used to compare field flowmeters performance.
- **As Field Flowmeter** : The Xonic 100P as portable device to spot-check various flow installation for virtually any liquids of up to 30% solids or bubbles.

## ► Types of Liquids

The Xonic 100P has very strong signal, which can measure various liquids such as clean water, waste water, milk, manure, lime stone slurry, oil, gasoline, etc. Normally, transit-time is only for clean water, but Xonic 100P can measure all types of liquids using our patented fine-time™ DSP technology.

- Clean Liquids – Municipal Water, De-Ionized Water
- Acids, Benzene, Milk, Beer
- Crude Oil, Diesel, Alcohol
- Waste Water, Lime Stone Slurries, Manure



## ► Special Features

- Patented AR Mode
- Patented Fine - Time™ Measuring Technology
- DSP Functions - Cross Correlation, FFT
- Oscilloscope Function
- Flow Velocity 0.02~12.0 m/sec
- Touch Key Programming + Remocon
- Large Color LCD Display
- 10 Hours Operation with Batteries
- Submersible Connectors







## Ultrasonic Portable Flowmeter **Xonic® 100P**

Xonic 100P is fully digitalized, easy-to-use portable flowmeter with only 2.4Kg weight. The Xonic 100P connectors are submersible design which can be used under harsh environmental conditions including rain and sun light. Basic model has two pair of transducer connectors for dual paths or dual channels. The Xonic 100P uses patent fine-time™ DSP technology to measure virtually any type of liquids with less than 30% solids or bubbles, such as clean water, waste water, crude oil, etc.



Portable Xonic 100P with Remocon



Rugged Waterproof Case

- Clamp-On, Transit-Time
- 1 path, or dual path or 2 channel functions
- 10 hours battery operation
- IP67 Connectors,
- IP67 All Weather Case
- Submersible IP68 Transducers
- Touch Key programming + Remocon
- Large Color LCD Display
- Pulse Output
- Analog Output
- RS-232C Communication
- Datalogging Function
- Weight 2.4Kg

# Portable Ultrasonic Flowmeter Xonic® 100P

Flow Computer



Transducers & Easy Track



Cable



## Specification

Type	Portable Clamp-on Ultrasonic
Principle	AR Mode, Transit-Time
Accuracy	±1.0%, RD, ±0.5% with dual path
Measuring Pipe Size	12 ~ 6000 mm
Measuring Velocity Range	±0.02 ~ ±12.0 m/sec
Turn Down Ratio	500:1
Sensitivity	0.003 m/sec
Output	4-20mADC for flow Relay for total
Datalogger	RS-232C for communication 8 Mbytes (500,000 loggers)
Display	Graphic Color LCD Display (320x240pixel) Flow (4.5 digits) Total (12 digits) Ultrasonic Signal Shape (Oscilloscope Function) Delta T, Signal Strength
Operating Temp	Flow Computer -20~+60°C Transducers -40~+120°C
Power	AC110~220V, free voltage
IP Rating	Flow Computer IP67 (work under rains) Transducers IP68
Transducers	Size A, 6~50mm pipes Size B, 20~100mm pipes Size C, 50~300mm pipes Size D, 200~1000mm pipes Size E, 500~6000mm pipes

## Company Introduction

Products	Clamp-On Ultrasonic Flowmeter for Liquid Insertion Ultrasonic Flowmeter for Gas Open channel Ultrasonic Flowmeter Compact Ultrasonic Flowmeter for Liquid Spool piece Ultrasonic Flowmeter for Gas Ultrasonic Water Meter Ultrasonic Gas Meter Solar Power Flow Monitoring System RF Meter Reading System Counter Sniper Detection System
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Certification	Korea Calibration Laboratory Accreditation (KOLAS) ISO / IEC17025:2005 Certified by Ministry of Commerce ISO9001 CE
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Awards	Prime Minister Awards Ministry of Knowledge and Economy Ministry of Environment
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