

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

- ✓ 24 hours operation
- ✓ Water proof Model
- ✓ Rugged Case, IP65



- Clamp-On, Transit-Time
- 1 path, dual path, 2 channel
- 24 hours battery operation
- IP65 Connectors
- Submersible IP68 Transducers
- Touch Key programming
- Large Color LCD Display
- Pulse Output
- Analog Output
- RS-232C Communication
- Datalogging Function
- Weight 2.4Kg

## System Description

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 pairs of transducer connectors for dual path or dual channel. 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.

# Xonic® 100P



Portable Xonic 100P



Rugged Waterproof Case



## 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 Liquid

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 TM DSP technology.

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

## Performance

- Patented AR Mode
- Oscilloscope Function
- Touch Key Programming + Remocon
- 24 Hours Operation with Batteries
- Patented Fine - Time™ Measuring Technology
- DSP Functions - Cross Correlation, FFT
- Flow Velocity  $\pm 0.02 \sim 20 \text{m/s}$
- Large Color LCD Display
- Submersible Connectors

## Specification

Type	Portable Clamp-on
Principle	AR Mode, Transit-Time
Accuracy	$\pm 1.0\%$ , $\pm 0.5\%$ with dual path
Measuring Pipe Size	20 ~ 6000 mm
Measuring Velocity Range	0.02 ~ 20m/s
Turn Down Ratio	500:1
Sensitivity	0.02 m/sec
Output	4-20mADC for flow / Relay for total / RS-232C for communication
Datalogger	32 Mbytes (1,000,000 loggers)
Display	Graphic Color LCD Display (320x240pixel) / Flow (4.5 digits) / Total (12 digits) / Ultrasonic Signal Shape (Oscilloscope Function) / Delta T, Signal Strength
Operating Temperature	Flow Computer -20 ~ +75°C / Transducers -40 ~ +120°C
Power	AC110~220V / Battery 8hours charging, 24hours operation
IP Rating	Flow Computer IP66 (Rainproof) / Transducers IP68(Submersible)
Transducers	Size B, 15~80mm pipes / Size C, 50~300mm pipes / Size D, 300~600mm pipes / Size E, 500~6000mm pipes ※ It can be changed depending on pipe material and thickness.