

Portable Ultrasonic Flowmeter Xonic 100P

- Battery operated up to 24 hours operation
- Transit-Time Ultrasonic DSP technology
- Single/Dual Path or Dual Channel
- Rugged Case, IP67 Water Proof
- Weight 2.4Kg





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
- 24 hours battery operation
- IP67 Connectors,
- IP67 All Weather Case
- Submersible IP68 Transducers
- Touch Key programming + Remocon
- Large Color LCD Display
- One 4-20mA (Two as option) for flow rate
- One Relay (Two as option) for total or alarm
- RS-232C Communication
- Datalogging Function with Xonic Software
- Weight 2.4Kg

Portable Ultrasonic Flowmeter Xonic[®] 100P 24 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.

As Pipe Material : Many kinds as CS Steel, SUS(SST), Cast Iron, Ductile Iron, Aluminum, Brass FRP, PVC or Other and Liner as: Mortar, Tar Epoxy, PE, Rubber or Other.

▶ 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 TM DSP technology.

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



Xonic 100P

▶ Special Features

- Patented AR Mode
- Patented Fine - Time™ Measuring Technology
- DSP Functions - Cross Correlation, FFT
- Oscilloscope Function
- Flow Velocity 0.02~20.0 m/sec
- Touch Key Programming + Remocon
- Large Color LCD Display
- 24 Hours Operation with Batteries
- Submersible Connectors



Clamp-on Transducers



Easy Mounting Track

Portable Ultrasonic Flowmeter Xonic® 100P

Flow Computer



Transducers & EasyTrack



Cable



Specification

Type Principle	Portable Clamp-on Ultrasonic
Accuracy	AR Mode, Transit-Time
Repeatability	±1.0%, RD, ±0.5% with dual path
Measuring Pipe Size	±0.25% 15 ~ 6000 mm (1/2"-240")
Measuring Velocity Range	±0.02 ~ ±6.0 m/sec
Turn Down Ratio	1000:1
Sensitivity	0.003 m/sec
Output	One 4-20mA (Two as option) for flow rate One Relay (Two as option) for total & Alarm RS-232C for communication
Datalogger	32 Mbytes (1,000,000 data)
Display	Graphic Color LCD Display (320x240 pixel) Flow (4.5 digits) Total (12 digits)
Diagnostic Function	Ultrasonic Signal Shape (Oscilloscope Function) °C Delta T, Signal Strength
Operating Temp	Flow Computer -20 ~ +60 Transducers -40 ~ +120 °C
Power Charger	AC 1 ~ 220V, free voltage
IP Rating	Flow Computer IP67 (work under rains) Transducers IP68
Transducers	Size B, 15 ~ 80mm pipes Size C, 50 ~ 300mm pipes Size D, 300 ~ 600mm pipes Size E, 500 ~ 6000mm pipes
Cable	Standard 10 meters

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
Certification	Korea Calibration Laboratory Accreditation (KOLAS) ISO / IEC 17025:2005 Certified by Ministry of Commerce ISO 9001 CE
Awards	Prime Minister Awards Ministry of Industry Ministry of Environment Ministry of Defence