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Euromag Portable ultrasonic flowmeter X100P



*Battery operated up to 10
hours operation*

*Transit-Time Ultrasonic DSP
technology*

Water proof Model

Rugged Case, IP67

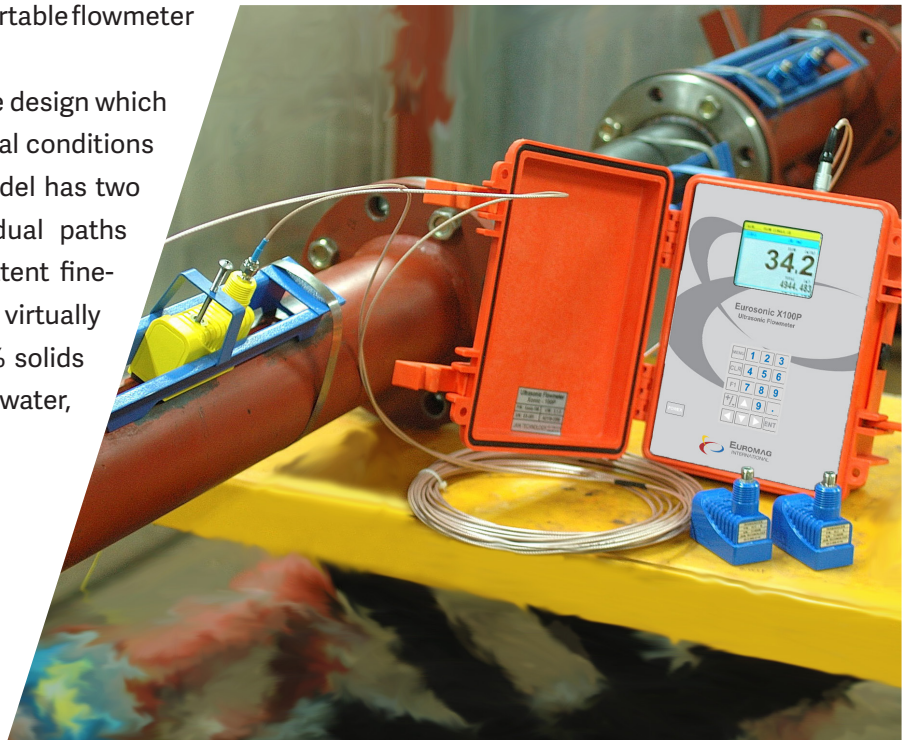
Weight 2.4Kg

Characteristics

- | | | | |
|---|---|----|-------------------------|
| 1 | Clamp-On, Transit-Time | 8 | Large Color LCD Display |
| 2 | 1 path, or dual path or 2 channel functions | 9 | Pulse Output |
| 3 | 10 hours battery operation | 10 | Analog Output |
| 4 | IP67 Connectors, | 11 | RS-232C Communication |
| 5 | IP67 All Weather Case | 12 | Datalogging Function |
| 6 | Submersible IP68 Transducers | 13 | Weight 2.4Kg |
| 7 | Touch Key programming + Remocon | | |

X100P is fully digitalized, easy-to-use portable flowmeter with only 2.4Kg weight.

The X100P 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 X100P 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.



Application

- ▶ As Standard Flowmeter : X100P can be used to check the performance of field flowmeters. The X100P can be used to compare field flowmeters performance.
- ▶ As Field Flowmeter : The X100P as portable device to spot-check various flow installation for virtually any liquids of up to 30% solids or bubbles.

Types of Liquids

The X100P 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 X100P 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

Special Features

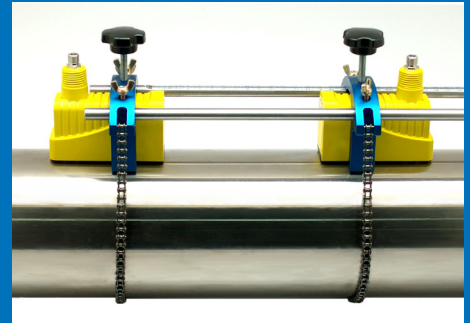
- ▶ Patented AR Mode
- ▶ Patented Fine - Time™ Measuring Technology
- ▶ DSP Functions - Cross Correlation, FFT
- ▶ Oscilloscope Function
- ▶ Flow Velocity 0.02~12.0 m/sec
- ▶ Touch Key Programming + Remocon
- ▶ Large Color LCD Display
- ▶ 10 Hours Operation with Batteries
- ▶ Submersible Connectors



Flow Computer



Clamp-on Transducers



Easy Mounting Track



Rugged Waterproof Case

Specifications

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 RS-232C for communication
Datalogger	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

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FluidTechnics
Standerdmolen 3
2964 HM Groot-Ammers
Tel: (+31) 0184669328
Netherlands
www.fluidtechnics.nl
info@fluidtechnics.nl