



**EUROMAG**  
INTERNATIONAL

# 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  
2  
3  
4  
5  
6  
7

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

8  
9  
10  
11  
12  
13

Large Color LCD Display

Pulse Output

Analog Output

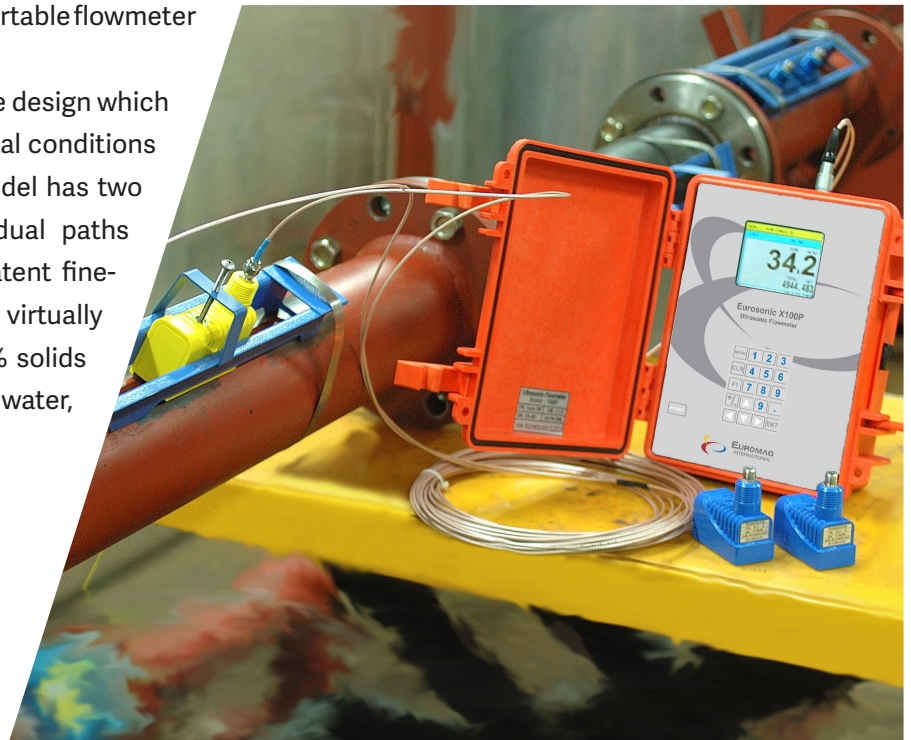
RS-232C Communication

Datalogging Function

Weight 2.4Kg

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.



**EUROMAG**  
INTERNATIONAL

# 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

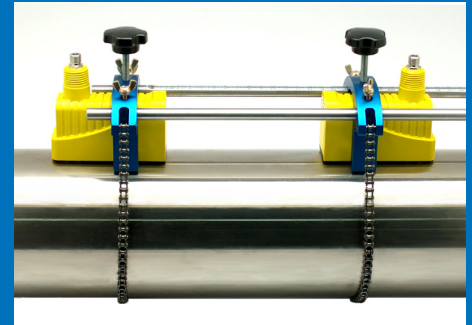
- ▶ Patented AR Mode
- ▶ Patented Fine - Time™ Measuring Technology
- ▶ DSP Functions - Cross Correlation, FFT
- ▶ Oscilloscope Function
- ▶ Flow Velocity 0.02-12.0 m/sec
- ▶ Touch Key Programming + Remocon
- ▶ Large Color LCD Display
- ▶ 10 Hours Operation with Batteries
- ▶ Submersible Connectors



Flow Computer



Clamp-on Transducers



Easy Mounting Track



Rugged Waterproof Case

# Specifications

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

All rights reserved. No part of this catalogue may be reproduced, stored in a database or otherwise used without the authorisation of Euromag. The policy of Euromagis dictated by the continuing technological and project innovation. Therefore, the Company reserves the right to amend the data contained herein without notice.



**EUROMAG**  
INTERNATIONAL

## **EUROMAG INTERNATIONAL srl**

35035 Mestrino (Padova) – Via Torino, 3 – Italy  
Tel. +39 049 9005064 – Fax +39 049 9007764

**www.euromag.com** – euromag@euromag.com