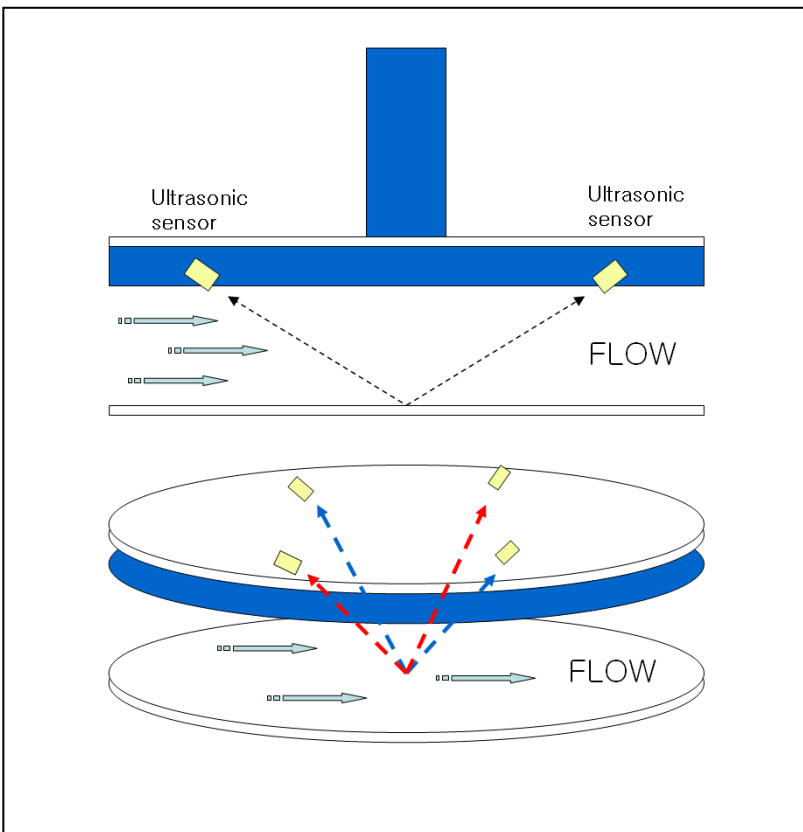


# Ultrasonic 2 Dimension Velocity Meter Xonic 10/2D



X10/2D use 2 pair transducers



**New Design ! Xonic 10/2D use new and very nice design for velocity meters for river and open channels. It show flow velocity and flow direction both.**

## Principle

Xonic10/2D use 2 pair ultrasonic transducers to measure flow velocity and flow direction. It send ultrasonic sound to bottom and the ultrasonic sound reflect and reach to opposite transducer. So, Xonic 100/2D measure time difference and flow direction simultaneously.

Transducers are located inside flow cell very safely, and the flow cell is designed with aluminum and stainless steel. Water can pass through the flow cell without any disturbance.

- 2 Dimensions for flow velocity and flow direction
- Patented AR Mode® Ultrasonic Signal Technology
- Ultrasonic Transit-Time
- Oscilloscope Function
- Can measure 0.05 m/s Low Velocity
- Large Graphic LCD
- Flow Cell is stainless steel and Aluminum

# Ultrasonic 2 Dimension Velocity Meter Xonic 10/2D

## Application

Xonic 10/2D is 2 dimensions velocity meter for river, open channel, stream, the drift of sea current using two pair ultrasonic transducers. Xonic 10/2D can measure very low velocity 0.05 m/s, so can be used for any applications.

## 2 Dimensions Flow Velocity / Direction

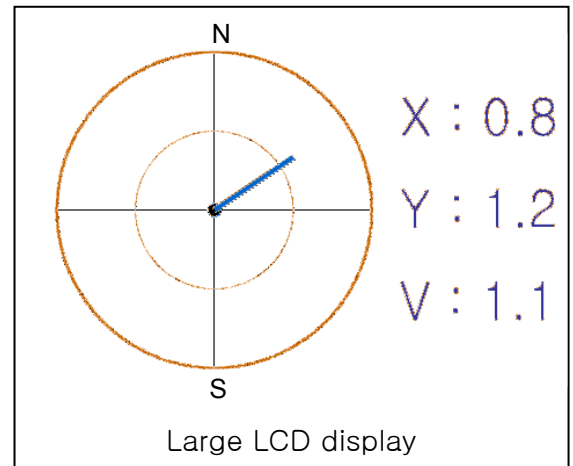
Xonic 10/2D show X axis velocity and Y axis velocity and show Vector velocity on large LCD display. Moving bar indicate velocity depending on users flow span and the bar rotate on the display according to flow direction.

## Flow Cell

Two pairs ultrasonic transducers are located inside of flow cell to keep transducers from any outside shock. The transducers are very small size, so it do not disturb any flow and measure flow velocity even 0.05 m/s. The flow cell is made of stainless steel and aluminum.

## Specifications

- Display : X, Y value, V velocity
- Transducer Cell : insertion, AR Mode®
- Velocity Range : 0.05~10.0 m/s
- Accuracy : 1.0 %
- Sensitivity : 0.005 m/s
- Data Output : 4-20mADC, RS-232C
- Datalogger : 4Mb
- Repeatability : 0.5%
- Temperature
  - Electronic : -20 ~ +60 °C
  - Transducer -40 ~+120 °C
- Power : 12/24VDC
- Enclosure : NEMA 4X (IP55)  
Transducers NEMA 7 (IP68), submersible



Durable Flow Cell and carry case