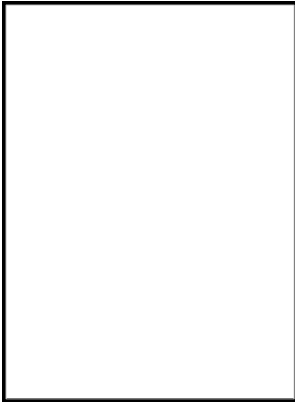


# Ultrasonic depth and flow measurement in open channels and tanks..

- - DOF6000 Open Channel Flowmeter\_Lanry Instruments (Shanghai) Co.,Ltd



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## Open Channel Flow Sensors

The MaxSonar-WR and MaxSonar-WRC sensors are IP67 rated and can be submerged up to one meter but the sensors are not designed to range underwater. There are many sensors available here are a few we recommend. View flow rate and total flow on the large back-lit LCD display and connect to external devices with three 4-20mA outputs and two control relays.

## Echotel® model 335

It can be mounted in irrigation pipes, channels, turn-outs, ditches, or culverts with defined dimensions. Reliability is not compromised by salinity level, pollution levels, or other harsh environmental conditions.

## Basics of Ultrasonic Flow meters & Factors Affecting its Performance

Water level, stage, or flow can be measured with many types of sensors: pressure transducers, bubblers, shaft encoders, or ultrasonic sensors. A clear 4 line display on the unit shows the measured variable or may be programmed to show other operational information. The Echotel® Model 335 is a four-wire, integral mount, ultrasonic non-contact transmitter for liquid level, volume, and open channel flow measurement.

## Ultrasonic Level Switches

An electromagnetic flow meter is typically recommended because the water flows directly through the meter. If you are interested in measuring tank levels, check out our that might help answer some questions.

## Open channel flow measurement devices

It includes anaerobic as well as aerobic processes. A Neon Remote logger can be connected with the Starflow Instrument in order to record and transmit measured perimeters to a Neon Server routinely. Turbulence, waves, stream slope, bed and wall unevenness, rocks and debris, all combine to create an unpredictable velocity profile.

## **Basics of Ultrasonic Flow meters & Factors Affecting its Performance**

It can record data of flow rate and total flow with a SD card up to 16GB. A Campbell Scientific datalogger controls the OTT-CBS pump and calculates the measurements. This process is similar, in principle, to a rectangular venturi tube.

## **Open channel flow measurement devices**

There are 5 built-in relays and a 4-20mA current output.

## **Water Flow Monitoring**

Up to 30 readings can be stored in the water velocity computer, and these can be reviewed for later analysis. MB7052 XL-MaxSonar-WRM1 Features of the weather resistant MB7052, XL-MaxSonar-WRM1, include small target rejection providing range information to the target with the largest acoustic return, a stability filter, centimeter resolution, short to long distance detection, range information from 20cm to 765cm, a 6. Wastewater originates from many sources, including industrial activities, domestic use, various farming and agricultural processes, medical waste and transportation.

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