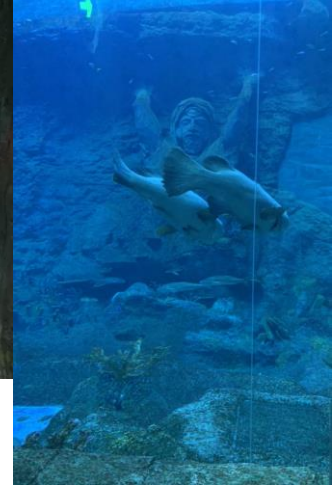
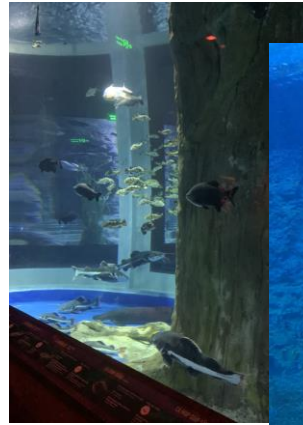


Ultrasonic Flowmeter Application Report 85

- Circulation water control for Aquarium -



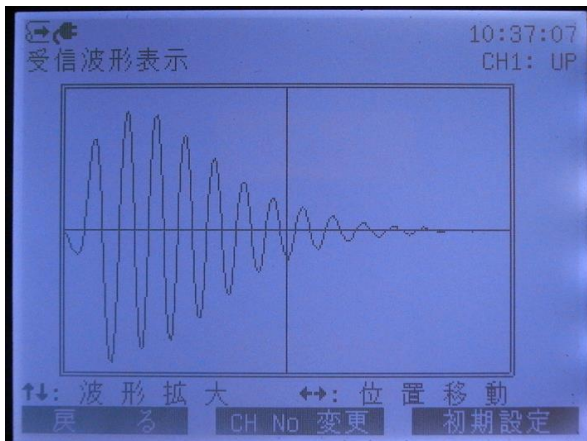
The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes.

Setup and installation is quick and easy such as shown in the photos above.

At this particular site - an aquarium - the UFP-20 portable flowmeter with 1 pair of clamp-on sensors measures the flow rate through a 300mm diameter pipe, non-intrusively, from the outside with no interference of flow and with a high degree of measurement stability.

Process values obtained from these measurements enable the user to improve filtering efficiency through better pump control of full tank volume seawater circulation operations.

The following picture is Echo-waveform Viewer that we can see actual receiving echo-form. This function will be helpful when the clients use the UFP-20 by themselves for the special applications. The clients are able to check whether the installation point of the transducers is good or bad.



As demonstrated in applications such as this, the portable UFP-20 flowmeter used in combination with a variety of sensors can successfully measure pipes with nominal diameters from 13mm - 5000mm.

The UFP-20 main unit's inner memory can provide long term storage (logging) of instantaneous flow rates and totalized data - digital data, which can then be transferred to PC through USB memory under CSV format and modified for statistical analysis and other purposes.



[Pipe Specification]

Pipe DN : 300mm
 Pipe material : PVC (Poly Vinyl Chloride)
 Lining : None
 Location : Phu Quoc, Vietnam

[Installation Data]

Main Unit : Portable Ultrasonic Flowmeter UFP-20
 Transducer : Standard sensor
 Installation : V method

For more detailed information, please contact your local representative.

Representative in your Area