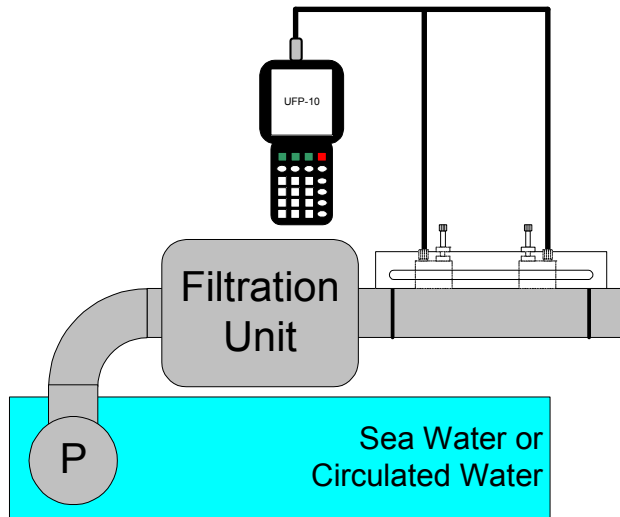


Ultrasonic Flowmeter Application Report 13

- Filtration Control for Aquarium -



The UFP-10 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with 1 pair of transducers placed on the outside of pipes.

The measurement unit, transducers, fixtures and accessories fit into a small carrying case, which is easily transportable to work sites.



Set up and installation is quick and easy as shown in the photos above.

In this particular application - an aquarium - the UFP-10 portable flowmeter with 1 pair of clamp-on sensors measures the flow rate through a 100mm ~ 250mm 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.

As demonstrated in applications such as this, the portable UFP-10 flowmeter used in combination with a variety of sensors can successfully measure pipes with nominal diameters from 13mm - 5000mm. The main unit's inner memory can provide long-term storage (logging) of instantaneous flow rates and integral data - digital data which can then be transferred to PC's and modified for statistical analysis and other purposes.

[Pipe Specification]

Pipe DN : 100mm ~ 250mm
Pipe material : PVC (Poly Vinyl Chloride)
Lining : None

[Installation Data]

Main Unit : Portable Ultrasonic Flowmeter UFP-10
Transducer : Standard sensor
Installation : V method

For more detailed information, please contact your local representative.

Representative in your Area