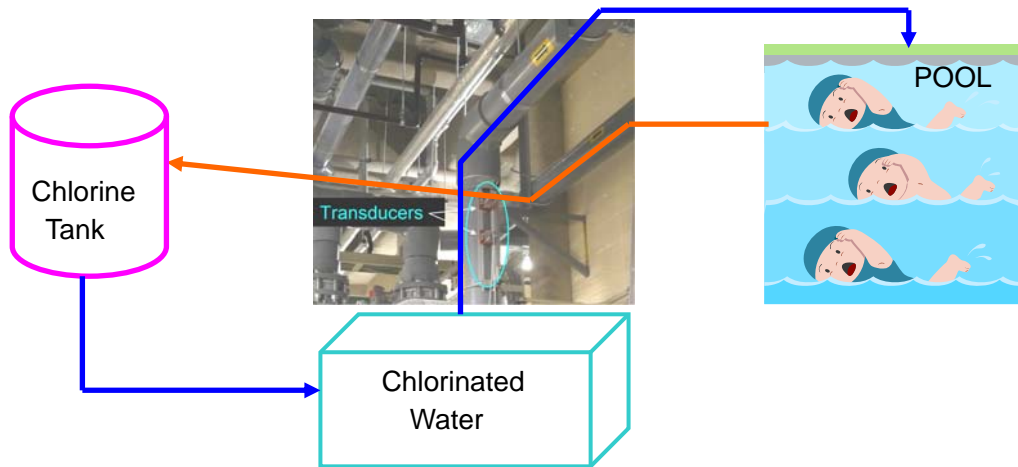


# Ultrasonic Flowmeter Application Report 34

## - Measurement in the Indoor Pool-



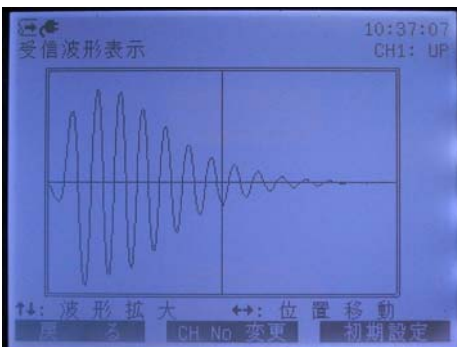
The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes.

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

At this particular site, the UFP-20 portable flowmeter with 1 pair of sensors measured the flow rate through 200mm diameter pipe, non-intrusively, from the outside with no interference of flow.

In this application, the client needed to know how much flow rate after chlorinating a swimming pool is passing through the pipe to the pool. The client could confirm the fluctuations in the flow rate when they handle the valve. This information enabled the client to keep the appropriate supply and circulation of chlorinated water in the indoor pool.

The following picture is Echo-waveform Viewer that we can see actual receiving echo-form. By this function, the client is able to check the installation point of transducers is good or bad when they use UFP-20 by themselves.



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 : 200mm  
 Pipe material : Poly Vinyl Chloride  
 Lining : None

[ Installation Data ]

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

For more detailed information, please contact your local representative.

Representative in your Area