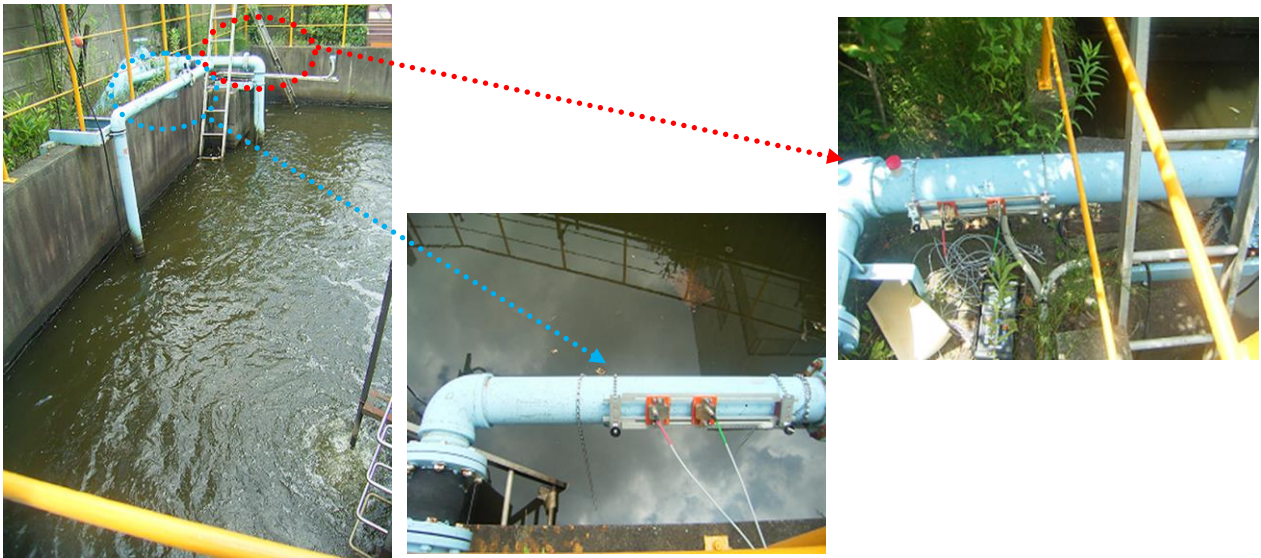


Ultrasonic Flowmeter Application Report 86

- Factory wastewater measurement -



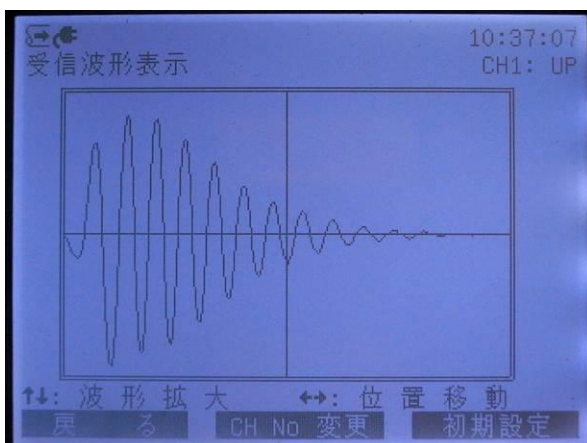
The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes.

Setup and installation are 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 364mm Circumference pipe, non-intrusively, from the outside with no interference of flow.

In this application, the client needed to check the real flow of the “wastewater (including the rainwater)” during the production in their factory. By this clamp-on portable flowmeter, the user could measure the process efficiency without cutting the pipe.

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 verification test at site such as above photo, the portable UFP-20 flowmeter used in combination with large transducer successfully which can measure pipes with nominal diameters from 300mm up to 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]

Diameter : DN115 mm
 Pipe material : Carbon Steel
 Lining : None
 Thickness : 3.6mm
 Location : Aichi prefecture Japan

[Installation Data]

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

For more detailed information, please contact your local representative.

Representative in your Area