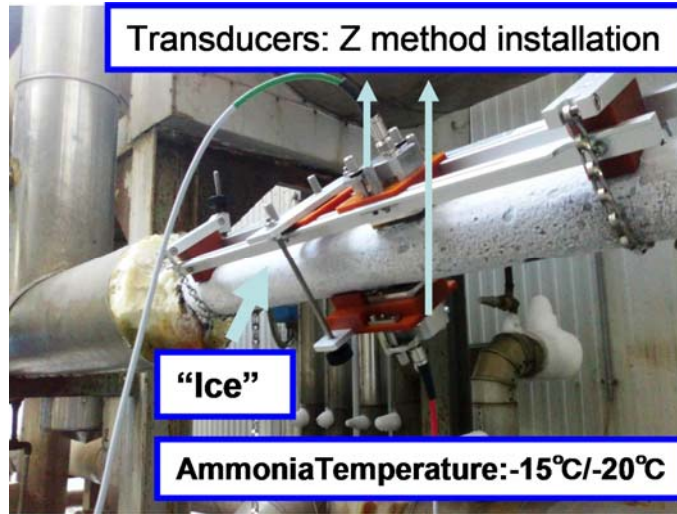


Ultrasonic Flowmeter Application Report 39

- Measurement in the food company -



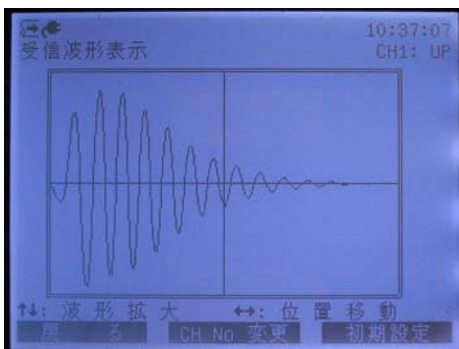
The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes.

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

At this particular site, the UFP-20 portable flowmeter with 1 pair of sensors measured the flow rate through 155mm 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 “ammonia” during the production in their factory. By this clamp-on portable flowmeter, the user could measure the cooling 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.



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]

Circumference : DN150m/m
 Pipe material : Iron
 Lining : None
 Thickness : 3.68mm

[Installation Data]

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

For more detailed information, please contact your local representative.

Representative in your Area

As demonstrated in applications such as this, the portable