

Ultrasonic Flowmeter Application Report 65

- Flow Verification for Firefighting pump -



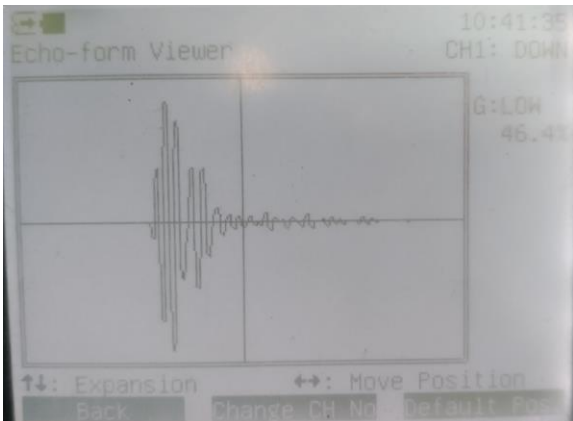
The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes.

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 DN125mm pipe, non-intrusively, from the outside with no interference of flow.

In this application, the client needed to verify the real flow from their product "Pump for Firefighting" with flowmeter in their facility. By this clamp-on portable flowmeter, the user does not need to install flowmeter all of the process lines to verify pump specification against designing. Only attached flowmeter onto the pipe line of they will check.

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 3 different transducers successfully which can measure pipes with nominal diameters from 13mm 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 : DN125
 Pipe material : Carbon Steel
 Lining : None
 Thickness : 6mm
 Location : Ho Chi Minh, Vietnam

[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