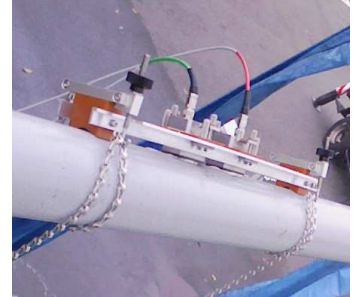
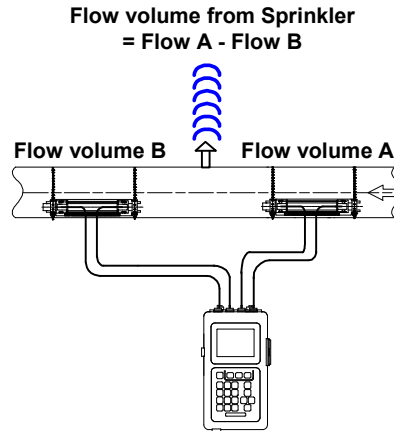


Ultrasonic Flowmeter Application Report 21

- Inspection tool for Fire Sprinkler -

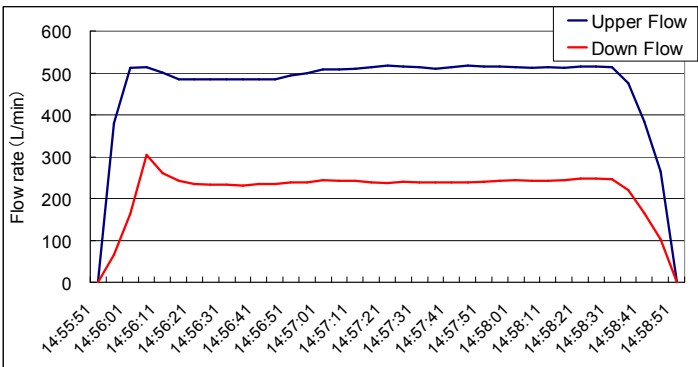


The UFP-20 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with up to 2 pairs of transducers placed on the outside of pipes. Set up and installation is quick and easy such as shown in the photos above.

At this particular site, the UFP-20 portable flowmeter with 2 pairs of sensors simultaneously measured the flow rate through 80mm diameter pipe, non-intrusively, from the outside with no interference of flow.

In the application of periodical inspection of sprinkler, the client is required to verify its performance annually by measuring upper side flow rate and down side flow rate at 2-different pipe in the same time.

Especially in case of using UFP-20, so main unit integrates independent flow rate and also calculate differential flow rate, this case output flow rate from sprinkler automatically. Differential of each trend graph as below is consumption at sprinkler.



This example highlights the capabilities of our handheld UFP-20 clamp-on ultrasonic flowmeter.

As the leftward example, the portable UFP-20 flowmeter have a variety of sensors for various size pipes with nominal

diameters from 13mm to 5000mm, and the UFP-20 can successfully measure in combination with different type of sensors at the same time. The UFP-20 main unit's inner memory can provide long term storage (logging) of instantaneous flow rates and totalized data for each measuring channel independently.

Such digital logging data can then be transferred to PC through USB memory under CSV format; and modified for statistical analysis and other purposes.



[Pipe Specification]

Pipe DN : 80mm
 Pipe material : Carbon Steel
 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