

Ultrasonic Flowmeter Application Report 20

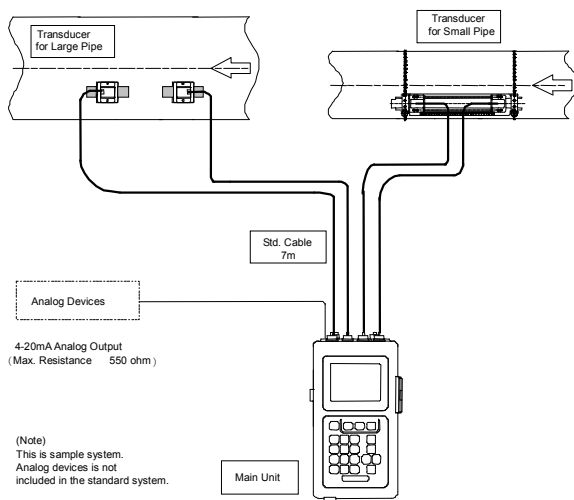
- 2 different pipes measurement by 1 main unit -



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 65mm and 80mm diameter pipe, non-intrusively, from the outside with no interference of flow.



In the application of energy audit and/or ESCO, the client hopes to measure heat energy at 2 different systems or 2 different circuits in a system in the same time. Especially in case of using UFP-20, so main unit integrates independent temperature transducers up to 4 channels, both temperature at the send line pipe to heat load and return line to heat source can be monitored simultaneously. This information enabled the client minimize not only energy consumption but also the time for fieldwork.

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 : 65mm and 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