

Ultrasonic Flowmeter Application Report 76

- Ancient pipe measuring-



Pipe install the 1937 year

The UFL-30 series stationary, clamp-on ultrasonic flowmeter with multi-path measurement capability incorporating up to 4 pairs of transducers placed on the outside of pipes provides stable instantaneous flow rate measurements.

At this particular case, the UFL-30 series stationary flowmeter with 1pairs of sensors measures the flow rate through an 1400mm diameter pipe, non-intrusively, from the outside with no reference of flow. The sensors are clamped on the pipe which is very old and decaying in places. At first glance, because of pipe is very old and decaying in places, it seems that flowmeter can't measure a flow rate. (We guess that other manufacturer products can not measure the this site)

But, UFL-30 has higher gain of ultrasonic, it will be possible to achieve stable measurement for such old pipe applications. UFL-30 sensors have good sensitivity and we have proved its performance with measuring such old pipe.

Also Multi-path measurement is a feature of our UFL-30 series stationary clamp-on ultrasonic flowmeter. Even the situation is poor like a corrosion and a volume progress is in pipe, Multi-path or Multi-point measurement will provide stable measurement. Because if 1path became unmeasured, the other will cover it.

In addition, the all-in-one UFL-30 main unit boasts two independent analog outputs, 4 varieties of contact outputs for

totalizing or warnings, and 2 digital communication ports (RS-232C). The Windows-based graphical and user-friendly PC interface is easy to configure and set up.

[Pipe Specification]

Pipe DN : 1400mm (t:12.7mm)
 Pipe material : Soft Iron
 Lining : Mortar (t:25.4mm)
 Location : Yangon, Myanmar

[Installation Data]

Main Unit : Stationary Ultrasonic Flowmeter UFL-30
 Transducer : SE044040NC
 Installation : Z method / 1 path

For more detailed information, please contact your local representative.

Representative in your Area