

# Ultrasonic Flowmeter Application Report 9

## - Fully Buried Pipe -



The UFL-20 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 site, the UFL-20 series stationary flowmeter with multiple pairs of sensors measures the flow rate through an 800mm diameter pipe, non-intrusively, from the outside with no interference of flow.

The sensors are clamped on to the pipe which is fully underground and are fixed in place by wires.

Multi-path measurement is a feature of our UFL-20 series stationary clamp-on ultrasonic flowmeter. By employing the UFL-20 series stationary clamp-on ultrasonic flowmeter in combination with the appropriate sensor from the variety available and/or with the system's multi-path measurement capability you may be able to obtain high accuracy flow measurements of pipes from 25mm up to 6000mm in nominal diameter under less than ideal conditions.

In addition, the all-in-one UFL-20 main unit boasts 2 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 : 800mm  
Pipe material : Steel  
Lining : None

#### [ Installation Data ]

Main Unit : Stationary Ultrasonic Flowmeter UFL-20  
Transducer : SE044040NC  
Installation : V method / 2 path



Although such buried or underground installations should normally be avoided for reasons of maintenance, conditions may dictate this mode of installation. In such cases a multi-path installation enables a higher degree of stability in measurement providing a viable long term, low-maintenance alternative.

For more detailed information, please contact your local representative.

Representative in your Area