

Ultrasonic Flowmeter Application Report 3

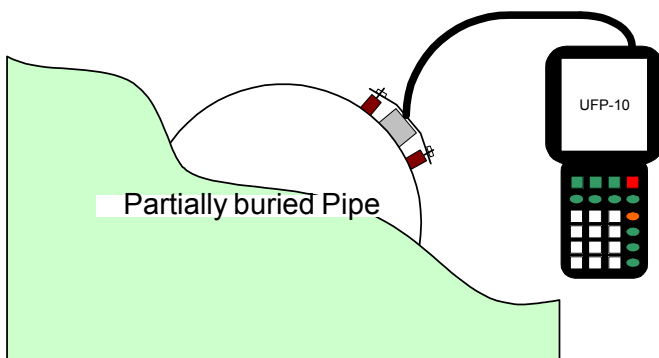
- Partially Buried Pipe -



The UFP-10 portable, clamp-on ultrasonic flowmeter provides instantaneous flow rate measurements with 1 pair of transducers placed on the outside of pipes.

The measurement unit, transducers, fixtures and accessories fit into a small carrying case, which is easily transportable to work sites.

Set up and installation is quick and easy even on partially buried pipe installations such as shown in the photos above and sketch below.



At this particular site, the UFP-10 portable flowmeter with 1 pair of sensors measured the flow rate through an 800 mm diameter pipe, non-intrusively, from the outside with no interference of flow and with a high degree of measurement stability.

This example highlights the capabilities of our handheld UFP-10 clamp-on ultrasonic flowmeter. As demonstrated in applications such as this, the portable UFP-10 flowmeter used in combination with a variety of sensors can

successfully measure pipes with nominal diameters from 13mm - 5000mm. The main unit's inner memory can provide long term storage (logging) of instantaneous flow rates and integral data - digital data which can then be transferred to PC's and modified for statistical analysis and other purposes.

[Pipe Specification]

Pipe DN : 800mm (t:6.2mm)
Pipe material : Steel
Lining : None

[Installation Data]

Main Unit : Portable Ultrasonic Flowmeter UFP-10
Transducer : Large sensor
Installation : V method

For more detailed information, please contact your local representative.

Representative in your Area