TOKYO KEIKI

Ultrasonic Flowmeter Application Report 88

- Irrigation Water Inlet -

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 site, the UFL-30 series stationary flowmeter with 2 pairs of sensors measures the flow rate through DN1000mm diameter pipes, non-intrusively, from the outside with no interference of flow. No other flowmeter cannot measure flow rate without modification to the pipe. Only Clamp-on type ultrasonic flowmeter which have higher gain of ultrasonic pulse can communicate this big pipe.

2 pairs of sensors are located on the pipe outside and provide data on instantaneous flow rate measurement values for the diametrical axis.

By employing the UFL-30 series stationary clamp-on ultrasonic flowmeter in combination with the appropriate sensor from the variety available and/or the system's multi-path measurement capability. You may be able to obtain high stable flow measurements of pipes from 25mm up to 6000mm in nominal diameter under less than ideal conditions.

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   :   DN1000
Pipe material :   Carbon Steel
Lining   :   Epoxy
Location   :   Bangkok, Thailand

[Installation Data]
Main Unit   :   Stationary Ultrasonic Flowmeter UFL-30
Transducer   :   SE044040NC
Installation   :   V method / 2 path
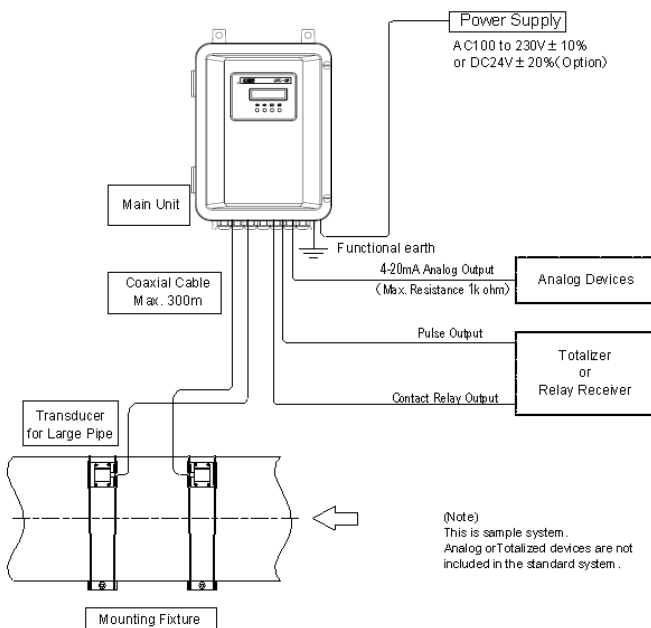
For more detailed information, please contact your local representative.

Representative in your Area