

Ultrasonic Flowmeter Application Report 47

- Turbine Generation -



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 1 pair of sensors measures the flow rate to keep 2500L/s by gate control for power generation.

Non-intrusively, from the outside with no interference of flow provided inside. No other flowmeter cannot measure flow rate without modification to the pipe.

By keep best flow rate, the below turbine generator supply 525kW successfully.

By employing the UFL-30 series stationary clamp-on ultrasonic flowmeter in combination with the cloud base service, appropriate gate control has been achieved.

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:25mm)
Pipe material : FRP
Lining : None

[Installation Data]

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



For more detailed information, please contact your local representative.

Representative in your Area