Ultrasonic Flowmeter Application Report 35

- Mining raw water inlet -

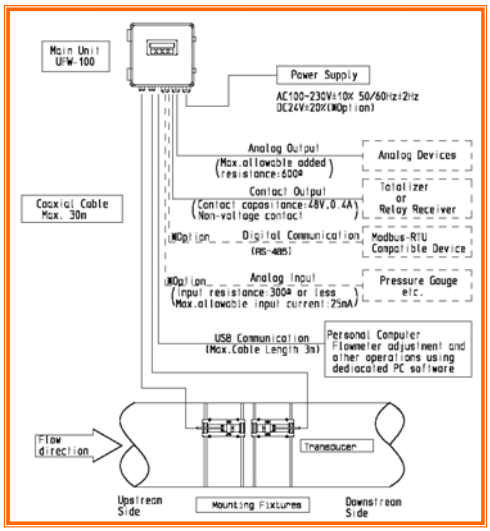
The “Intelligent digital UFW-100” stationary, clamp-on ultrasonic flowmeter with transducers placed on the outside of pipes provides stable instantaneous flow rate measurements.

At this particular site, the UFW-100 stationary flowmeter measures the flow rate of inlet raw water to the mining company through a 200mm diameter pipe, non-intrusively, from the outside with no interference of flow. The sensors are clamped with integrated mounting fixture by stainless steel band.

Inlet raw water may contain some of particles, however intelligent digital UFW-100 can eliminate such disturbance or noise by original digital-echo handling algorithm.

By employing the UFW-100 stationary clamp-on ultrasonic flowmeter in combination with the easy set-up function on the Windows-based graphical & user-friendly PC interface is easy to configure through such as “Wizard-parameter input”, “Echo-wave check & monitoring”, “Auto-Logging function”, “Analog input” and / or “Integrated mounting fixture”. Through such easy setup function, you may be able to obtain high accuracy flow measurements of pipes from 25mm up to 600mm in nominal diameter with±30m/s velocity range coverage.

In addition, the all-in-one UFW-100 main unit boasts 1 Analog output, 1 Contact output for totalizing or warning, 1 Digital communication port RS-232C as standard, another port for RS-485 (Option) and Analog input (Option).



[Pipe Specification]

Pipe DN	:	200mm
Pipe material	:	Carbon Steel
Lining	:	Epoxy

[Installation Data]

Main Unit	:	Stationary Ultrasonic Flowmeter UFW-100
Transducer	:	SE104720T
Installation	:	V method / 1 path

For more detailed information, please contact your local representative.

Representative in your Area