

Ultrasonic Flowmeter Application Report 60

- Crude Oil Inlet process -



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 crude oil from the other ship through 150mm diameter pipe, non-intrusively, from the outside with no interference of flow. The sensors are clamped with integrated mounting fixture by stainless steel band.

Even Inlet crude oil, our intelligent digital UFW-100 can have smooth echo wave without any noise by original digital-echo handling algorithm as below.

indicated)”, “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 $\pm 30\text{m/s}$ velocity range coverage.

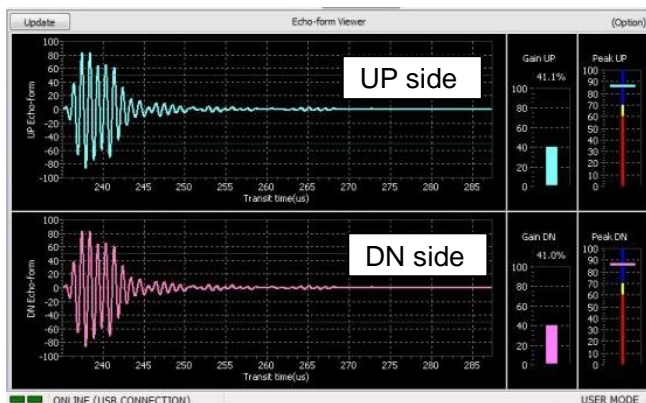
In addition, the all-in-one UFW-100 main unit boasts 1 Analog output, 1 Contact output for totalizing or warning, 1 Digital communication port RS-232C as standard, another port for RS-485 (Option) and Analog input (Option).

[Pipe Specification]

Pipe DN : DN150
 Pipe material : Carbon Steel
 Lining : None

[Installation Data]

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



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 (as above

For more detailed information, please contact your local representative.

Representative in your Area