

APPLICATION NOTE

Severn Trent Water - Wanlip STW Survey

UF 801 P & MINISONIC P PORTABLE CLAMP ON METERS

BACKGROUND:

Severn Trent required a survey to check their main incoming and outgoing magnetic meters. One meter manufacturer was undefined, the other was a KENT Veriflux DN1000. Media Raw and Treated Sewage, pipes old DI Pipe. Age approx 30 years.

THE PROBLEM:

Flows could not be switched off to remove/replace the meters, but confidence was needed that the magnetic meters were performing and giving the correct outputs. One application was to be verified on the inlet D.I. piping, the other on the **Magnetic Meter Body!!** The Size and construction of the Veriflux meter allowed the sensors to be placed on the body in exactly the correct place for accurate measurement, Using a double reflex mode. (Double reflection!!)

METERING SOLUTION:

The range of Ultraflux flowmeters include the all new Uf 801 P portable battery powered meter as an addition to our verification range of meters. Flows were not able to be shut down so our clamp-on hand held meter was selected for the verification capability. Flows were not interrupted or by-passed and the installation could be easily checked by the in-built diagnostics.

This unit has an exceptional high speed signal acquisition capability making waste water /aerated applications an easier option for clamp on ultrasonic flow metering.

Further Information

Please contact :

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EQUIPMENT DESCRIPTION

EQUIPMENT SPECIFICATION:

- Uf 801 P pipe i. d. 10 to 10,00mm.
- Minisonic P pipe i. d. 10 to 3300mm.
- Probe Types: Clamp On & Wetted.
- Outputs 4-20mA, 2 relays for alarm, flow direction, flow threshold, Totaliser, fault,
- RS232 and 485, JBUS-MODBUS Protocol.
- Power Supply Battery/10-30 VDC, 9-18 VAC.
- Consumption < 5W.
- Typical Accuracy +/- 1% of reading.
- Repeatability +/- 0.05% ,
- Echo amplification up to 102 db.
- High technology probes for difficult applications.
- These meters have an integral keypad, display and an incredible autofocus/noise rejection capability.
- Come with software as part of the package.