

ATEX MSFM MULTI SENSOR FLOW MONITOR S2U

Remote-reporting flow measurement system for water and wastewater applications:

- COMBINED SEWERS
- OPEN-CHANNELS
- STORM SEWERS
- INDUSTRIAL EFFLUENT

MSFM S2U is designed to monitor raw sewage, industrial effluents and storm waters. Automatic GPRS data retrieval is standard and can be used worldwide*. An additional standard input accepts Detectronic Ultrasonic Level Sensor or PTI Pressure-Depth Sensor.

Certified to ATEX/IEC Ex Zone 1.

THREE HEADS ARE BETTER THAN ONE

The MSFM records data from 3 sensor inputs: Pressure Depth, Ultrasonic Velocity and (optional) Ultrasonic Level/PTI. Readings can be logged at regular intervals between 1 and 60 minutes.

TELEMETRY

Thanks to its custom-designed antenna, which improves signal sensitivity in underground locations, logged data is then transmitted via GSM/GPRS at user-selectable intervals (typically once an hour, once a day, once a week or once a month).

When using the Ultrasonic Level Sensor, depth of flow is inferred from the measured distance from the sensor to the surface of the flow. This distance is calculated by measuring the time taken for the ultrasonic pulses to traverse the return path from the probe to the water surface. Compensation for the effects of changes in air temperature is applied automatically.

ADDITIONAL I/O FLEXIBILITY AS STANDARD

2 spare logger channels included (e.g. rainfall/float/intruder) plus high/low local alarm output (e.g. sampler/pulse).



