
Introducing Mainstream MainProbe-Vu RS485 MODBUS

Low-power, streamlined ultrasonic velocity sensor



Low Power/High Accuracy

Low-power, streamlined ultrasonic flow velocity sensor with a 10 mm/s to 3 m/s bi-directional measurement range and 1 mm/s resolution. The minimum operating depth is 30 mm. The flow velocity measurement is temperature corrected for variations in the speed of sound.

Great Connectivity

The ModBus RTU protocol is supported via the common RS-485 standard allowing connection to industry standard, third-party data-loggers and control equipment. Makes installation and set-up quicker and easier.

Measurement Quality

Fundamental to the MainProbe is **measurement integrity**; the probe only uses bursts of signal containing verifiable velocity information; the remainder of the signal is ignored, thereby ensuring measurement integrity. The **signal quality** metric produced can then be used by installers to aid siting of the probe and monitor its measurement performance.

Mainstream Adaptive Measurement System

To guarantee consistent quality measurement performance under all operating conditions, the Mainstream Adaptive Measurement System (MAMS) allows the sensor to be configured to process ultrasonic signal acquisition in the most time-efficient way, thereby reducing power usage and extending battery life.



Easy open-channel flow measurement

The MainProbe is an **open-channel** sensor applicable anywhere that water velocities need to be measured. Its streamlined shape makes it suitable for waste water treatment, industrial flows, irrigation, river flow measurement.

If flow measurement is needed it can be combined with a pressure sensor or downward looking ultrasonics to achieve highly accurate flow-measurement. MainProbe's Communicator software is easy to use and provides diagnostics allowing users to understand the MainProbe's performance, thereby reducing installation costs.

To learn more....

Visit <https://mainstream-measurements.com/mainprobe-vu-rs485-modbus/>
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