



ACCURATE WATER SPEED MEASUREMENT

The flow calculator can set the calculate the cross-sectional area of partially filled pipe or open channel, for circular pipe, it only need to input the inner diameter; for open channel, it only need to input the width; users also can input up to 20 point coordinates of channel to calculate the cross-sectional area. The flow calculator can display the velocity, level, flow rate and flow totalizer, and is configured with 4-20mA and RS485/MODBUS output, GPRS is optional

By using digital signal processing techniques, Bass Instruments FSHU velocity and level transducer is able to perform in a wide range of environments. It is used to record flows in pipes, channels and small streams and operates in a wide range of water qualities from fresh streams to primary sewage channels. Bass Instruments velocity and level transducer combines water velocity and water depth measurement with a powerful data logger. Its systems have been tested in small streams and pipes, and the calibration has been verified in a tow tank. Bass Instruments FSHU velocity and level transducer is mounted on (or near to) the bottom of the stream/pipe/culvert and measures the velocity and depth of the water flowing above it.



FEATURES

- Easy Mounting
- No Moving Parts
- Suitable for Non-standard Channels
- Suitable for Partially Filled Pipes
- Standard MODBUS-RTU Communication
- User friendly measurement and reading
- TFT Touchscreen





TECHNICAL SPECIFICATIONS

TRANSMITTER

Channel Types	: According to Customer requirements
Electronics Enclosure	: IP65 (Front panel)
Accuracy	: Level: $\pm 0.25\%$ of Range. Velocity: $\pm 2\%$ of Reading.
Display	: TFT Touchscreen
Programming	: Built-in 3 key calibrator or touchscreen
Power Input	: 24VDC $\pm 10\%$
Outputs	: 4-20 mA and pulse
Control Relays	: 2 relay (as optional)
Operating Temp. (electronics)	: -20...+60°C
Approximate Shipping Weight	: 1 kg.

SENSOR

Velocity Measurement Range	: 0,02...4,5 m/sec.
Level Measurement Range	: 0...2 m or 0...5 m (other on request)
Operating Temperature	: 0...60°C
Sensor Cable	: 15 m
Sensor Mounting	: with SS mounting bracket
Temperature Compensation	: Automatic
Enclosure	: IP68

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