

Level-Velocity Transmitter for Irrigation Water, Stormwater and Sewage

**Submersible
Transmitter**

Bigfoot

for Partially Filled Pipes
and Open Channels

No Moving Parts
4-20mA Level Output
4-20mA Velocity Output
12-24VDC Power Input



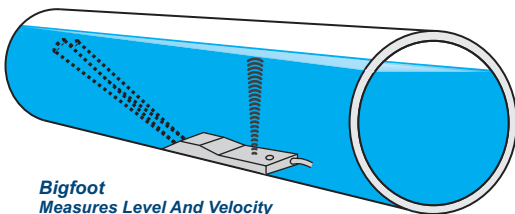
**Bigfoot Hydrodynamic Sensor
Measures Level and Velocity in Open Channels**

Easy to Install

Mount Bigfoot on the bottom of a pipe or channel to accurately measure and transmit both water level and velocity. This sealed, ultrasonic sensor is your solution for continuous water measurement in open channels and partially filled pipes. No calibration is required.

No Calibration Required

The Bigfoot can be powered from batteries, solar charging systems or DC power supplies. Its 4-20mA outputs can be connected to data loggers, SCADA systems or PLC measuring systems.



Bigfoot
Measures Level And Velocity

Flow is calculated from the Bigfoot transmitter outputs by using the formula: $Flow = Area \times Velocity$, where Area is the cross-sectional area of the channel at the Level measured by the Bigfoot, and Velocity is the speed of the water. It can be mounted in pipes, culverts, channels or ditches with defined dimensions.

Bigfoot generates ultrasonic signals which are projected into the water to measure flow velocity and level. Some solids or bubbles in the water are required for proper velocity measurement.

Choose Bigfoot for accurate flow measurement in irrigation, stormwater, stream flow and wastewater.

Greyline
Precision Flow Measurement
An ONICON Brand

Bigfoot Level-Velocity Transmitter

General Specifications

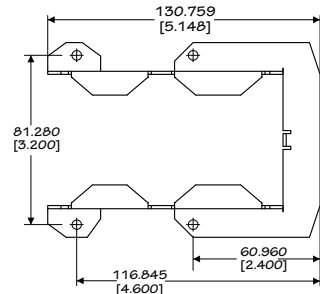
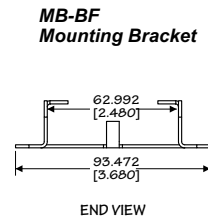
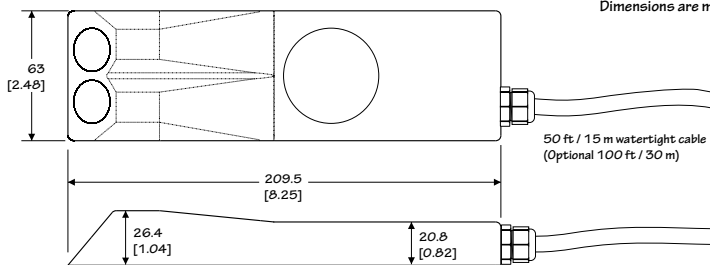
Level Measurement Range:	45.8 to 3678 mm (1.8 to 144.8") from bottom of sensor
Velocity Measurement Range:	0.03 to 3.0 m/sec (0.1 to 9.84 ft/sec)
Outputs:	4-20mA Velocity and 4-20mA Level, 1000 ohm at 24VDC
Power Input:	12-24VDC, 200mA Max.
Operating Temperature:	0° to 65°C (32° to 150°F)
Accuracy:	Level: $\pm 0.25\%$ of actual Range or 1 mm (0.04"), whichever is greater. Velocity: $\pm 2\%$ of Reading. Repeatability and Linearity: $\pm 0.1\%$
Temperature Compensation:	Automatic, continuous
Sensor Cable:	15 m (50 ft) submersible 6-conductor, 18 ga. (see Options)
Sensor Mounting:	Includes MB-BF stainless steel mounting bracket
Exposed Materials:	PVC, epoxy resin, ultem, polyurethane
Approximate Shipping Weight:	2 kg (4.4 lbs)

Options

Sensor Cable Length:	30 m (100 ft) continuous
Pipe Mounting Bands:	for pipe sizes from 12 to 40 inch and DN 300 to 1000 mm Each band size is adjustable $\pm 0.5"$ / 13 mm diameter

Dimensions

Dimensions are mm [inches]



How to Order

Contact a Greyline sales representative in your area or phone one of our sales engineers. Describe your requirements and receive our prompt quotation.

Applications Support

Take advantage of Greyline's applications experience. Phone 1-888-473-9546 for advice and information on applications, installation or service for Greyline instruments.

No Risk Appraisal

The Greyline Bigfoot must meet your requirements. Discuss your application with a Greyline representative to arrange a 30-day trial.

The Greyline Guarantee

Quality of Materials and Workmanship - Each instrument manufactured by Greyline is warranted against defects in materials and workmanship for a period of one year from date of purchase. Refer to our limited warranty included with each product.



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RELIABLE MEASUREMENT AND CONTROL