

WBP-US-01-3F

Ultrasonic Tank Level Sensor, 91cm Cable



General Description

Whisker.Blocks® are long-range, wireless sensors that come in a variety of I/O and power configurations. These sensor blocks use our proprietary long range wireless communication technology, ensuring reliable and robust operation. They come in a variety of configurations with multiple external channels for various analog and digital inputs.

This external sensor is designed to work with a Whisker.Block® that is configured with 0-5V Analog Input. When properly mounted, this sensor will detect tank levels from 3cm to 7.6 meters.

Power

This sensor requires 3.3V for operation. The Whisker Block power supply is 18V so a regulator to reduce the 18V supply down to 3.3V is required.

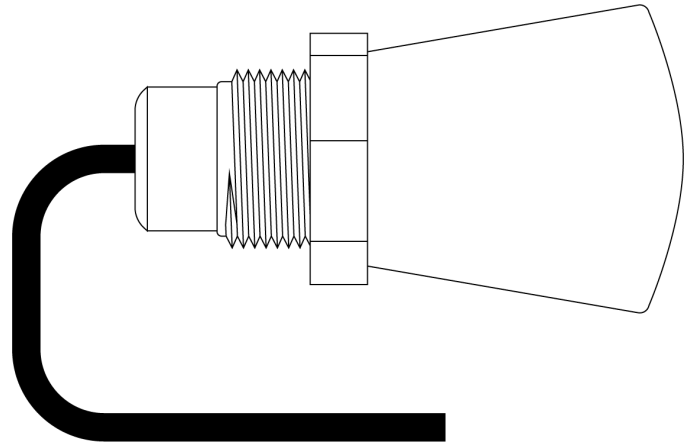
Mounting

This sensor is housed in a 5cm tube that is installed in the top or lid of the tank facing downward with a clear view of the liquid being measured. Mounting requires a 23.4mm hole through which the device can be mounted. Take care not to overtighten the nut.

Compatible Whisker.Blocks®

Part Number
WB1-9-00-DCNNNNNN-0000-LR
WB1-9-00-DCTRNNNN-0000-LR
WB1-9-00-DCTRTRNN-0000-LR
WB1-9-00-DCA4NNNN-0000-LR
WB1-9-00-DCA4A4NN-0000-LR
WB1-9-00-DCA5NNNN-0000-LR
WB1-9-00-DCA5A5NN-0000-LR

Wiring



Recommended Wiring:

Connector	Pin	Sensor Wire	Description
1	1	Red	Sensor power supply
1	2 or 3	Blue/Black	0-5V Analog In
1	4	White	Ground Reference

