

Non-Contact Ultrasonic Sensor

SepticSitter™ sensors are connected in a daisy-chain, end-to-end configuration using a single string of direct-bury rated, CANBUS power/communications cables. The liquid level measurement range is currently from 4 inches (0.10m) to 6.5 feet (2.0m). A custom CAN BUS bootloader enables remote firmware updates of the sensors in the field.

Sensors are mounted on a nominal 2" (50mm) PVC pipe and determine liquid levels in tanks and drainfields using non-contact, time-of-flight (ToF) measurements. An IR temperature sensor corrects for variations in the speed of sound through air and also allows monitoring of system temperatures. Readings can be configured to occur at a range of time intervals, typically every 5 to 30 minutes, 24/7.

Features

- Three ultrasonic transducers for high reliability
- Data and power over one wire for simple install
- Status LED breathes and blinks indicating mode
- Bootloader for anytime software updates
- Stainless-steel CAN bus connectors
- Waterproof ABS plastic case

Requirements

- DM-SS-HUB-ETH
- DM-SS-CAN-TERM-CONN-F
- DM-SS-CABLE-5M or DM-SS-CABLE-15M



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Order online: SepticSitter.com

Toll-free: 1-888-747-7645



TOP



BOTTOM

Specifications

Liquid Level Measurements:

- Resolution: 0.001m (0.04")
- Accuracy: +/- 0.015m (0.5") in clean sensor pipe @ 20C, 95% of the time
- Operating range: 0.15m to 2.0m

Temperature Measurements:

- Resolution: 0.2C
- Accuracy: +/- 1C

Power:

- Nominal 12V over CAN bus
- Maximum 1.2 Watts

Dimensions: 3 1/4" D x 3" H

Weight: 280 grams

Temperature: -10°C to 80°C

Materials:

- Case: ABS plastic, epoxy resin
 - Connectors: Stainless-steel
- IEC IP67 / IP68