

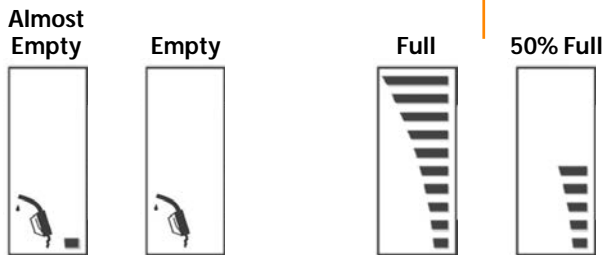
ViewSonic - Ultrasonic Tank Level Sensor



Battery Operated
Digital LCD Display
All Plastic Design
NEMA 4X Plastic PP Enclosure
Non-Contact Technology

Applications

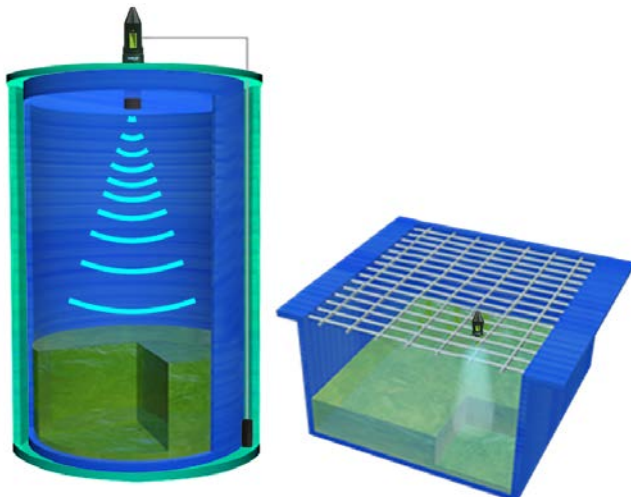
- Double Walled Tanks
- Chemical Storage -Chemical Sumps
- Remote Applications-No Wiring Required
- Chemical Feed Chemical Feed Totes
- Sumps-Drums



Visual Low Level Indication

Benefits

- Always On Bar Graph of Current Level
- Simple to Install-Battery Operated
- 1% Accuracy
- Wireless Communication to Remote Display Range of 650 feet- (200 M) to Remote Controller (Optional)
- Red LED Display Flashes when level falls within 8 Inches of Max Fill or Low Level
- Remote Display simply plugs into 120 VAC wall socket - No Wiring Required
- Leak Detection PP Boyancy switch for double wall tanks
- Stillwell adaptor accessory for tanks with internal structure/stays etc
- Custom integrated signal conditioning for calibration and temperature compensation.
- ROHS Compliant CE Compliant
- Long lasting battery-Std 'C' cell Type > 5 Years
- No Buttons to Press



Specification

Characteristic	Transmitter	Display Receiver
Dimensions	2.75" (W) x 1.6" (L) x 5.6" (H)	2" (W) x 2" (D) x 5.3" (H)
Weight	93g	60g
Housing Material	Polypropylene -UV Weather Stabized	ABS
Operating temperature	-10°C to 60°C (Note 1)	-10°C to 60°C
Storage Temperature	-20°C to 60°C (Note 1)	-20°C to 60°C
Environmental Protection	IP67 - Outdoors	IP44 Indoors only
Radio frequency	CAN/USA: 914.5 MHz FM	N/A
Radio output power	CAN/ USA: 0dBm +/-2dBm	N/A
Receiver Sensitivity	N/A	-100dBm to -110dBm @ 0.001 BER
Ultrasonic range	4" -9.8' or 12cm to 3M)	N/A
Ultrasonic signal diversion	4" Deadband -20°	N/A
Chemical Resistance	Sensor is Non-Wetted (Check Chemical Compatibility)	N/A
Power requirements	3 Volt 'C' Standard Batteries	CAN/USA: 115V AC 60Hz, 30mA
Battery life	Greater > 5 Years at Ambient Temp	N/A
Humidity range	15% - 95%	15% - 95%
LCD Display	10 level bar graph with refill/error icons	10 level bar graph with refill/error icons
Full /Lowdetection LED	Red LED flashes when level is rising and within 7 " or (20 cm) of sensor	N/A
Ultrasonic Resolution	± 0.4" or 1cm	N/A
Accuracy	±1% of Full Scale	N/A

Accessories

Adapter	1½" external thread adapter, 70mm (W) x 49mm (D) x 27mm (H) – 2" NPSM external thread adapter, 79mm (W) x 70mm (D) x 16mm(H) - Optional
Gasket (included)	Material EPDM, 70mm (W) x 40mm (D) x 4mm (H) ± 1 mm Distance between hole centres 50mm ± 1mm
Screws (included)	Stainless steel
Leak detection switch	Can be supplied with bund switch for double skinned tanks -- 3m cable

Conformity

EU/UK/NZ/AUS variants meet the intent of Directive 89/336/EEC for Electromagnetic compatibility and the Low voltage directive 73/23/EEC for product safety and the R&TTE directive 1999/5/EC for radio. Compliance was demonstrated to the following specifications as listed in the official journal of the European Communities.	
EN 55022,A1,A2	Limits and methods of measurement of radio disturbance characteristics of information technology equipment.
EN 61000	Electromagnetic compatibility
EN 55011	Stainless steel
EN 60335-1	Can be supplied with bund switch for double skinned tanks -- 3m cable
EN 300 220-3	Electromagnetic compatibility and Radio spectrum Matters (ERM) - Short Range Devices (SRD);
ETSI EN 301 489-3	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC)
RoHs Compliance	Yes