



Ultrasonic (Battery Operated SIM Based)

Our Ultrasonic (Battery Operated SIM Based) is a flexible and configurable battery operated liquid level sensor with an integrated Cellular modem supporting 2G/ 3G/ 4G

Applications

- Liquid level monitoring
 - Fuel – Oil, Kerosene, Diesel
 - Lubricants
 - Additives
 - DEF / AdBlue
 - Coolants
 - Water
 - Waste Oil
 - Wastewater
 - Chemicals - **This product may not be suitable for monitoring of certain corrosive and hazardous chemicals. List of product compatible chemicals to be verified with EIP representative.*
- Fixed or portable tanks
- Ensure continued supply
- Optimise delivery or collections
- Spot and continuous inventory measurement
- Programmable alarms
 - Full alert
 - Empty alert
 - Spill alert (bundled tanks)
 - Low and High levels
- 24/7 monitoring

Benefits

- Accurate, reliable tank level monitoring
- Spot and continuous inventory management
- Programmable data reporting interval
- Remote configurability
- Easy to install
- Minimum 1 year warranty

Specification

Characteristic	Transmitter
Dimensions	101mm (W) x 93mm (L) x 150mm (H) ±1mm / 4"(W) x 3.66"(L) x 5.9"(H) ±0.04"
Weight	530g/1.17lbs including 4 x C size batteries - 290g/0.2lbs without batteries
Housing Material	UV Stabilized Polypropylene (compatible with Oil)
Operating Temperature	-20°C to 50°C / -4°F to 122°C (Note 1)
Storage Temperature	-30°C to 60°C / -22°F to 140°F (Note 1)
Altitude Range	<2Km/1.25miles above sea level
Environmental Protection	IP67 – Outdoors
Radio Frequency:	Compatible for India
Radio Frequency:	EGPRS: 850/900/1800/1900MHz
Gauge Type	Ultrasonic
Ultrasonic Range	>12cm to <10m
Ultrasonic Signal Diversion	30° (Note 3)
Ultrasonic Resolution	±1cm / ±0.04"
Accuracy	Typically ±2cm from 12cm to 3m / ±0.78" from 4.7" to 118"
Material compatibility	(Note 4)
Power requirements	4 of Type C LR14 Alkaline 1.5V (fitted)

Accessories

SIM Card	Options available
Tank mounting options	Fit directly into 1 ¼", 1 ½" or 2" BSP existing tank connection
Bund switch option	Can be supplied with Bund switch for double skinned tanks – 3m / 118" cable

Note 1: Storage and operation above 20°C / 68 °F may reduce battery life. Minimum distance measured is derated with temperatures <0°C / 32°F

Note 2: Based on a measurement to a flat liquid target

Note 3: The maximum spatial diversion of the ultrasonic signal will be < +/-15° from the central axis of the transducer.

Note 4: Suitable for use in tanks for the storage of water diesel fuel, kerosene, gas oil types A2,C1,C2 and D as defined by BS2869.

Note 5: Based on one data drop per day in standard configuration at a location with adequate CAT-M1/NB-IoT coverage.

For more details send us an email - rgoyal@eipenviroindia.com or visit - www.eipenviroindia.com