



Radar Level Transmitter (Battery Operated SIM Based)

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

Applications

- Solid/ Liquid level monitoring
 - Fuel – Oil, Kerosene, Diesel
 - Lubricants
 - Additives
 - DEF / AdBlue
 - Coolants
 - Water
 - Waste Oil
 - Wastewater
 - Chemicals
 - FlyAsh
 - Cement
 - Coal
 - Concrete
- 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/ silo level monitoring
- Spot and continuous inventory management
- Programmable data reporting interval
- Remote configurability
- Easy to install
- Minimum 1 year warranty

Specification for Battery Operated IIOT Radar Level Transmitter

Characteristic	Transmitter
Mounting	Flanged Connection/ Clamped
Weight	2kg
Housing Material	Die Cast Aluminium with Epoxy Corrosion Resistant Coating
Operating Temperature	-20°C to 80°C (Note 1)
Storage Temperature	-30°C to 70°C (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	Radar Type
Radar Range	100mm to 40000mm (40m)
Beam Angle	3-4° (Note 3)
Radar Resolution	±1cm / ±0.04"
Accuracy	±2mm
Material compatibility	(Note 4)
Power requirements	Lithium Batteries

Accessories

SIM Card	Options available
Tank mounting options	Flanged / Clamps
Server	Data Hosted on EIP Server (Default), Can be integrated to Client Server

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 target

Note 3: The maximum spatial diversion of the Radar signal will be < +/-2° 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.

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