

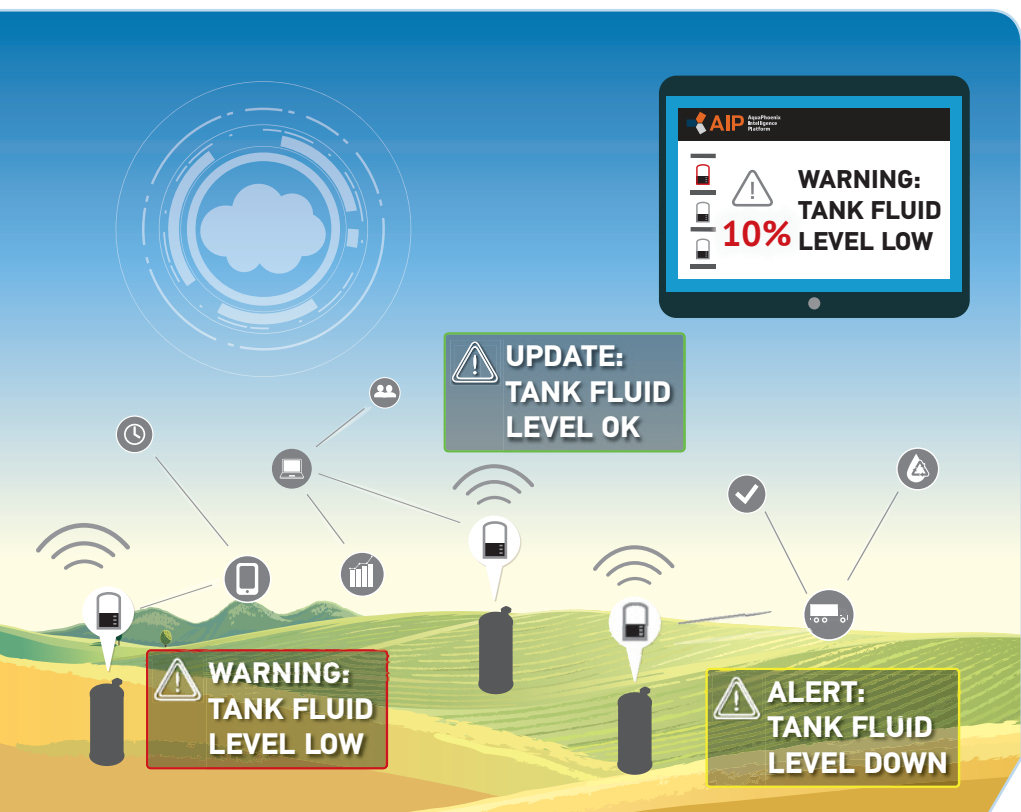
# TankScan TSM1000

## Guided Wave Radar Monitoring System

**TankScan** | Powered by AquaPhoenix

The TankScan TSM1000 monitor provides remote level monitoring of deployed tanks, totes and containers up to 40' tall. Industry-leading 4G LTE cellular and Micro-Impulse (MIR) technologies are fully integrated into the battery-powered device, which can be installed in locations where power and network connectivity infrastructure are not available. The monitor has a durable weather-proof enclosure and long life battery making this solution ideal for use in a broad range of tank applications.

The AquaPhoenix Intelligence Platform (AIP) provides tank level information via TankScan monitors anywhere an Internet connection is available - via computer, tablet or smart phone. Use TankScan analytics to optimize business decisions around operations and logistics by knowing when a tank is in need of service. Plan fluid deliveries and pick-ups based on the latest information to insure optimal route efficiencies and maximize customer service.



### Optimize Your Routes

Accurate tank data ensures just-in-time collections and deliveries.

### Optimize Your Efficiencies

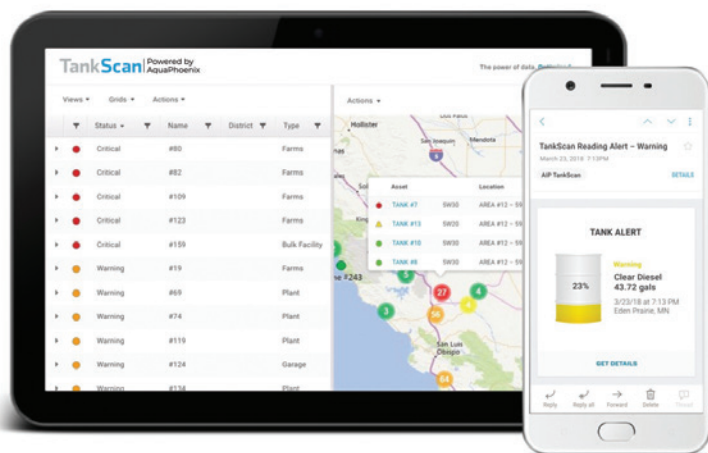
Reduce labor and transportation costs associated with manual tank measurement.

### Optimize Your Growth

Add customers without having to add more trucks or drivers.

### Optimize Your Service

Know when your customers' tanks need to be serviced before they do.



## AquaPhoenix Intelligence Platform (AIP) Capabilities

Web-based software can be accessed from any Internet-connected computer.

- Scales from 1 to over 100,000 tanks
- User-friendly dashboard displays accurate measurements across all tanks
- Users can view multiple tanks to simplify site monitoring
- Customizable email alerts provide notification when preset levels are reached
- Multiple users can be authorized to access various levels of data
- Analyze tank data with timely reports

## Markets

### Liquids TSM1000 Can Monitor:

- Diesel
- Lubricants
- DEF
- Waste oil
- Industrial waste water

**VIEW OUR FULL PRODUCT LINE AT  
TANKSCAN.COM**

SPECIFICATIONS	TSM1000 SR	TSM1000 TR
Measurement Range	60", 96"	144", 240", 300", 360", 420", 480"
Top Deadzone	6"	6"
Bottom Deadzone	2"	8"
Sensor Technology	Micro-Impulse Radar (MIR)	
Accuracy	+/- 0.3% of Probe Wire Length at 25 °C	
Output	Transmits ID, Level Data, Temperature, Battery Level	
Radio Communication	Cellular 4G LTE Cat M Verizon or AT&T, 2.4GHz RF	
Power Requirements	Battery Pack (typical battery life of 2 years at 12 hour reporting intervals)	
Construction	Indoor/Outdoor Use, Weatherproof, Non-corrosive, IP66	
Operating Temperature	-30 °F to 130 °F. (-35 °C to 55 °C) - Ordinary Location -30 °F to 140 °F. (-35 °C to 60 °C) - Intrinsically Safe	
Humidity	0% to 90% Non-condensing	
Pollution Degree	3	
Maximum Altitude	2000 m	
Mounting	1.5" or 2" NPT	
Weight	1.11 lbs + MIR Wire	
Approvals	FCC Part 15B, IC Cellular, Battery: UL 1642, UN 38.3	
	Hazardous Locations: Ex ia IIA T4 Ga Class I, Div1, Group D, T4 Class I, Zone 0, AEx ia IIA T4 Ga	
Product Warranty	1 Year, Excluding Battery	

201-0167-000 Rev. F 5/25



WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

AquaPhoenix Scientific  
860 Gitts Run Road  
Hanover, PA 17331

PH: 877-847-7226

[www.tankscan.com](http://www.tankscan.com)



**AquaPhoenix®**  
SCIENTIFIC

©2025 AquaPhoenix. All Rights Reserved. TankScan images and marketing materials are protected by various patents, copyrights and/or trademarks. AquaPhoenix assumes no responsibility for any errors which may appear in this document, reserves the right to change devices or specifications detailed herein at any time without notice, and does not make any commitment to update the information contained herein. No licenses to patents or other intellectual property of AquaPhoenix are granted by the Company in connection with the sale of TankScan products, expressly or by implication.