

# HAZTRACK

## Chemical Tank Monitoring

HazTracker wireless sensors provide near real-time inventory information across all of your chemical tanks in the field.

### Key Features

- Industrial-Grade Durability
- Operable in Extreme Conditions
  - -40°C to + 85°C
- 3-Minute Installation
- +/- 1% Accuracy
- Class 1, Division 1 Intrinsically Safe
- 5+ Year Battery Life
- Wirelessly Transmits Data via LTE-M1
- Highly Chemical Resistant

### Functionality

- Measures Tank Level and Flow Rate
- Alerts on Pump Issues
- Streamlines Month-End Inventory Consolidation
- GPS Location
- Monitors Ambient Temperature
- NFC Enabled Installation app
- Backend Integration via API
- Operational Dashboard in Development
- Compatible with Plastic & Fibre Glass Tanks





### Employee Time & Resources

Streamline operations and reduce costs by eliminating the need for unnecessary trips to remote well sites to check tank levels and pump rates. Predict when tanks will empty to prevent stockouts.

### Lost Sales Prevention



Avoid weeks of lost sales due to stopped pumps. The HazTracker triggers alerts when a pump malfunctions, allowing you to quickly address the issue and resume pumping. By minimizing downtime, HazTracker helps ensure that you hit your treating targets and provide stable, high quality service to your customers.

### Empty Tanks



Prevent frustrated customer calls due to empty tanks with HazTracker. Ensure you always know your tank levels by setting custom alerts to remind you to refill before it's too late. With HazTrack, you will never miss a fill again, providing peace of mind and improved customer satisfaction.

### Custom Alerts for Pump Issues



Avoid over- or under-treating with HazTrack. Pumps can lose their set point or be adjusted incorrectly, causing issues ranging from emulsion problems to insufficient treatment for scale or paraffin buildup. Our solution ensures that your chemicals are being applied at the correct rate, providing peace of mind and preventing costly problems.

### Integrity Program Assurance



Ensure compliance with target treat rates and give your customers peace of mind. Corrosion, scale, and paraffin inhibitors are designed to work at specific treat rates, and under treating can be just as detrimental as not treating at all. Our solution assures that your integrity programs comply with target treat rates, allowing you to maintain the quality and effectiveness of your chemical programs.

### Vehicle Costs - Fuel Maintenance



Limit unnecessary trips to well sites and prolong the life of your vehicle fleet. HazTrack allows you to easily check inventory and pump rates without driving to the site, reducing fuel consumption and maintenance costs.

### ESG - Emissions & Safety



By limiting employee drive time and on-site checks, HazTrack minimizes driving incidents and associated lost time. Additionally, our solution helps you reduce fuel consumption and associated emissions by minimizing unnecessary trips to remote well sites, allowing you to significantly reduce your carbon footprint and improve your environmental impact.

## Technical Specifications

### Enclosure and Finish

- Colour: Dark Grey
- Case Material: Nylon Resin (Chemical Resistant)
- Lens Material: Microcrystalline Polyamide (Chemical Resistant)
- Mounting: Corrosion-resistant 316 Stainless Steel - Screws, Rivets, Magnetic

### Environmental

- Certified Temperature: -20°C to -50°C
- Operational Temperature: -40°C to 85°C
- Relative Humidity: 5% to 98%

### Size and Weight

- Height: 2.1 inches (53mm)
- Length: 5.0 inches (126mm)
- Width: 5.2 inches (132mm)
- Weight: 0.75 pounds (0.34 KGs)

### Cellular and Wireless

- **Cellular:** LTE CAT-M1
- **NFC:** Range upto 5cm, Classification: Type 5

### Location

- **GNSS Networks:** GPS, GLONASS, BeiDou, Galileo, QZSS
- Cellular

### Sensors

- GPS Location Tracking
- Optical Level Sensor
  - Up to 400cm distance measurement
    - (Option for 800cm)
  - Level Accuracy of +/- 1%
- Temperature Sensor
- Accelerometer

### Power and Battery

- Life Expectancy: Up to 5 years
- mAh Capacity: 19,000 mAh
- Battery Chemistry: Primary Lithium

### Requirements

- LTE-M1 Network

## Safety & Certifications

### Hazardous Rated

- Class I Division 1; Groups A-D, T4
- Class I Zone 0 AEx ia IIC T4 Ga
- Ex ia IIC T4 Ga
- -20°C to +50°C

### Hazardous Locations

- UL STD 60079-0
- UL STD 61010-1
- UL STD 60079-11
- CSA C22.2# 60079-11
- CSA C22.2# 61010-1-12
- CSA C22.2# 60079-0



### Ordinary Locations

UL 61010-1\*DEI / CSA C22.2#61010-1-12:2012

### Ingress Protection

- Hermetically-sealed design

### Radio Frequency Certification

- FCC/ISED in progress

