

# Sentinel Series / Telemetry

## Tank / Sump Liquid Level Monitoring



- Battery Operated / No Programming
- Remote Monitoring through Cellular Networks
- E-mail / Text Reporting / Alarm Notification



The Sentinel is a Cellular Tank or Sump Level Monitoring system that delivers reliable daily measurements that are both scheduled and event driven. Remote monitoring with the Sentinel is exceptionally flexible, eliminating the hassles of network infrastructures and Internet service. Instead, the Sentinel connects via a wireless signal to local cellular networks and transmits Alarms, Inventory, Battery Status and GSM Signal Strength, all of which are available through the Sentinel Cloud Based Website. The Sentinel online provides you with important data readily at your fingertips on your Computer, Tablet or Smart phone

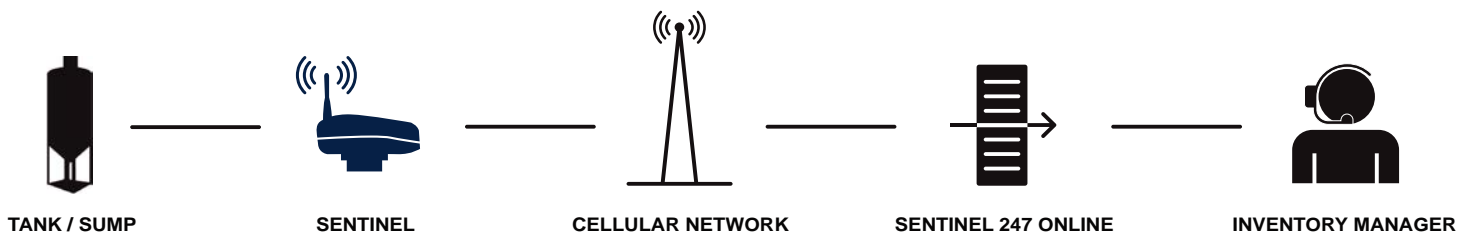
### FEATURES

- 24/7 access to data through Cloud Based Sentinel 247TM Online
- Battery powered up to 5 years / 3 calls/day
- Variety of Trigger Points
- Mobile Ready Access
- Small Footprint
- Works with your Existing Equipment
- Low Monthly Cost
- Powerful Long Range Antenna (Perfect For Remote Locations)
- Access Data via PC / Laptop / Smart phone / Tablet
- Secure / Password Protected
- No Hidden Costs
- Standard Batteries
- Can be Mounted Directly on Tank / 2" NPT
- Eliminate Costly Emergency Fills / Pump-Outs
- General Purpose or Explosion Proof Models

### SPECIFICATION

Wireless Communication	GSM or Digital Wireless Radio
RF Approval	FCC part 15 Approved
Frequency Bands	GSM 850 / 1900 MHz WLAN
Output Voltage	Nominally 24VDC / ± 5%
Output Current	4 - 20mA
Enclosure	NEMA 4X / UL Approved
Classification (Intrinsically Safe Model)	Non-Volatile EPROM Memory
Lithim Battery	Replaceable lithium ion batteries (CR-123A)
Battery Voltage	6V
Expected Life	Up to 6000 Callouts

### HOW IT WORKS



### Overview of Tanks Types of Liquids Current Status

### Actual Screen Shots of Sentinel 247™ Monitoring Software

**Summary of Tanks in Service**

Tank Summary	Alarms	Reports
Active Tanks : 3	Alarm Free : 0	No Recent Update : 2
Maintenance Tanks : 2	High Alarm : 0	Low Battery : 2
Inactive Tanks : 0	Low Alarm : 0	Expected Call : 0
Total Tanks : 3	Critical High Alarm : 0	
	Critical Low Alarm : 1	

Map	Status	Organization	Location Name	Tank Name	Product	Inventory Time	Inventory (Gross)	Volume (%)
Map	- NRU - LB	ACME Products	Production Inc.	Glycol Tank (Deact)	Glycol acid	5/7/2011 7:47:24 PM	4206.0	1,27
Map	- NRU - LB	ACME Products	Production Inc.	Resins Process Tank (Deact)	Resins polyester	6/6/2011 7:45:00 PM	29955.3	5
Map	- CLA - ID	ACME Products	Acme Products Stock	Tank 1018005967	DEF	6/4/2012 7:40:27 AM	11.1	

Everything At your Finger Tips

### Current Detailed Status of Each Tank in Service

**Tank Status**

Inventory Time: 4/10/2012 12:32:09 PM  
 Primary Location Contact: Not Assigned  
 Alarm Status: OK  
 Comm Status: OK  
 Maintenance Status: OK  
 Sensor Status: OK  
 Level: 63.7 in  
 Inventory: 214.3 gal  
 Tank Type: Standard Horizontal Cylindrical Tank  
 Tank Height: 68.0 in  
 Tank Number: 1  
 Region: -----  
 Route: -----  
 User Defined: -----  
 User Defined (B): -----  
 Key Note: -----

**Graphical Level of Tank or GMP**

Tank Level: 214 gal 97%

Temperature: 61° F

**Quick View**

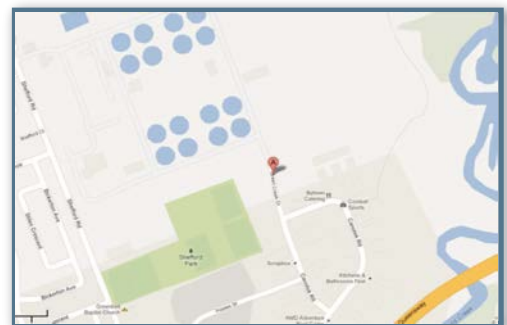
Signal Strength: 10

Battery Level: 57%

**Example :**

Schedule Route by Region or Territory  
 +  
 Type of Chemical Ex (HCL)  
 +  
 Level i.e. Tanks - below 25% Capacity

### Easy to Locate Remote Tanks



Google® MAP Location

### Ordering Information

Part Number	Material
SCP-1-GP-P-F	NEMA 4X

### Ordering Notes:

- (1) Select the best configuration based on your requirements
- (2) Monthly service fees will apply. Limit 3 calls per day. \*Additional monthly fee may apply.
- (3) The Intrinsically safe enclosure rating can only be used with the GSM Host w/GPS option.