

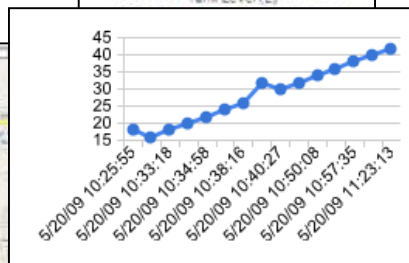


Wireless Tank Monitoring and Control

The ability to constantly monitor remote locations is both a time and cost savings advantage for many companies. Because of the distance, it can often be days or weeks before out of range conditions are recognized, not to mention the cost of resources to monitor these remote locations. Lost opportunity costs can be staggering!

Now there is a better way to manage remote sites and reduce the cost associated such as: human resources, fuel cost and time. AVIDdirector the monitoring device is integrated with the equipment located at the remote site. The liquid level, pressure and other measurements gathered from the wireless sensors are transmitted back to a central server (AVIDdashboard) where the information is stored indefinitely. As a user of the AVIDdashboard portal you specify monitoring parameters and what is to occur should these values be exceeded. This includes sending alerts such as SMS, Email or issuing a command to be executed on the equipment at the remote site. AVIDdashboard provides easy to use graphics for quick review of important parameters.

If you have an issue with theft at the remote site the AVIDdirector provides a GPS option. This is attached to the equipment in a stealth manner and will initiate tracking when movement is detected.



Features of AVIDwireless Tank Monitoring Products

- Our non-contact ultrasonic sensors are in a stainless steel case and ruggedized for long service life in tough environments (additional sensor information on back)
- Now you can have constant monitoring of oil and water depth without the need for resources to be on-site
- The system detects and logs when personnel are on-site to service equipment
- Parameters are set to enable alerts and alarm notifications based on customer needs
- 24/7 monitoring and control of equipment is available from any web enabled PC
- Sites can be grouped based on any logical settings such as geographical location for ease of service
- Solution is AC or DC and can be solar charged making it adaptable for any location
- Stealth integration makes it difficult to identify and disable monitoring equipment



AVIDwireless Tank Monitoring Solution

How Does it Work?

- The AVIDdirector unit is installed at the site to monitor the level, pressure and equipment 24/7. The AVIDdirector transmits readings back to the central server at set times (determined by the user) Additional monitoring includes:
 - § Movement of equipment can enable tracking if GPS option is selected
 - § Monitor when personnel are on-site (within 600 feet of site)
- AVIDdirector is constantly monitoring the site for any activity or changes. The information is gathered and transmitted over wireless data networks to the AVIDdashboard monitoring and control system. AVIDdashboard handles any alerts or alarms that must be directed to specified personnel.
- Authorized users can access the information from any web enabled PC, or even your i-Phone, to view readings, respond to alerts, create reports, charts or download information.
- AVIDdashboard becomes the central reporting center for updating the authorities if equipment is removed without authorization (GPS option only)

1.



2.



3.

AVIDdirector Selection

Owner:

View List:

AVIDdirector:

Recent Readings Received			
Device	Value	Type	Time Stamp
Tank Level (TTL1.AIN)	49.000000	analog	2009/01/23 15:41:39 CST
Tank Level (TTL1.AIN)	49.000000	analog	2009/01/23 15:41:24 CST
Tank Level (TTL1.AIN)	49.000000	analog	2009/01/23 15:41:09 CST
Tank Level (TTL1.AIN)	48.000000	analog	2009/01/23 15:40:54 CST
TEMPERATURESENSOR_281...	23.812500	analog	2009/01/23 15:40:37 CST
Tank Level (TTL1.AIN)	48.000000	analog	2009/01/23 15:40:35 CST
Pumper 7843 On Site	MAP: 32.862783, -96.945078	location	2009/01/23 15:18:51 CST
Status Boot Msg (STATUS)	Well 243-765 (Build:2009011503)...	string	2009/01/23 15:16:59 CST
Analog Sensor 707651D...	6.000000	analog	2009/01/23 15:16:58 CST
Heater Control (TT1.6...	1	digital	2009/01/23 15:16:52 CST



4.



- Sealed for ingress protection rating IP68
- Narrow ultrasonic beam avoids unwanted obstacles
- Output response filter for stability with poor targets
- Sync connection for several sensors in close proximity
- Security "Lock" prevents accidental misalignments
- Detects solid or liquids
- Unaffected by optical factors like color, transparency, reflectivity or opaqueness
- Quick bolt-in mounting and permanently attached cable
- Ranges 0 to 14, 30 or 50 ft
- NPT Thread Mounting hole 1.5 in. diameter depending on model
- Total weight ~12.7 oz