

# Tank Monitors

## TANK MONITOR FOR COMMERCIAL USE



### Robertshaw Wireless LP Gas Tank Level Meter

Get accurate, up-to-the-minute LP gas level readings in the home. Place the base station in a convenient location such as the kitchen or bedroom. Then place the wireless tank monitor on the LP tank.



[bergquistinc.com](http://bergquistinc.com) | 800 537 7518

Bergquist

# Tanks Monitors



## IS Cellular Propane Monitor

The Centeron Intrinsically Safe Cellular Propane Monitor is the first cellular propane monitor approved for use in flammable atmospheres. It is UL and CAN/CSA certified so you can be sure it's safe to use in demanding environments anywhere in the world. And like other Centeron products, its ease of installation, long battery life, and rugged enclosure ensure a long life of excellent performance.



bergquistinc.com | 800 537 7518



## Gauge Monitor

The Gauge Monitor is magnetically attached to the propane tank. Propane level is measured using a reliable Hall effect sensor that senses float position inside the tank. No tank penetration is needed for installation. The sensor snaps into tank gauges equipped with the Rochester Remote Ready gauge, or replaces the entire mechanical dial. Monitor installation takes less than 5 minutes.



## Cellular Gateway

The Centeron Cellular Gateway receives tank level information from any Centeron RF tank monitor and transmits the data to the Centeron Data Center using digital cellular communications. The Cellular Gateway is an excellent choice for anyone who needs up-to-date level information at any time.



## Centeron Tank Console

The Centeron Tank Console is used with any of the Centeron tank monitors to form a highly dependable wireless tank gauging system. The Tank Console displays the status of inventory in up to 10 storage tanks on a backlit LCD that is easy to read day or night. Use it to monitor any size tank, from the smallest up to 10M gallons.



# Tank Monitors

## Ethernet Controller

The Centeron Ethernet Controller wirelessly receives data from any Centeron RF monitor and communicates the data to the Centeron data center via the Internet. It is a cost-effective alternative for anyone needing continuous tank level updates, or level on demand capability. The Ethernet Controller connects to any Ethernet based network and comes equipped with an integral RJ45 jack for quick and easy installation.



## Store & Forward Controller

The Centeron Store & Forward Controller stores all data transmitted by the assigned monitors. It stores up to 100 data points then automatically downloads the information to the Centeron Data Center for customer access. The controller contacts the Data Center immediately when any monitor transmission is manually initiated so current tank status is available on demand.



[bergquistinc.com](http://bergquistinc.com) | 800 537 7518

## SatComm Gateway System

The Centeron SatComm Gateway System receives tank level information from any Centeron tank monitor and transmits the data to the Centeron Data Center using the Orbcomm Low Earth Orbit satellite network. Use it in mining pits, quarries, construction sites, offshore, rural and wilderness tank storage facilities where phone lines and cellular communication is either unavailable or unreliable.



**Bergquist**

# Centeron Tank Monitoring System

bergquistinc.com | 800 537 7518



Centeron's advanced tank monitoring system gives you the ability to prioritize deliveries, optimize truck loading and reduce emergency fills and fleet size. Using state-of-the-art technology, the system gives you the level of info you need, when you need it. The sensor technologies have years of proven reliability in the field and the long battery life eliminates worry of frequent replacements. The monitor, controller and data center combine to help you manage your tanks better than ever before.

## Tank Level Monitors

All Centeron propane monitors use a robust Direct Sequence Spread Spectrum battery powered radio for reliable, wireless data communication, even from underground tanks. And each monitor is intrinsically safe, so they can be located in the hazardous area of the propane tank without worry. Installation is quick and easy, requiring no special tools or technical skills. And all have UL50 Type 3 enclosures to provide the protection needed in a propane environment.

## Gauge Monitor

The Gauge Monitor is magnetically attached to the propane tank. Propane level is measured using a reliable Hall effect sensor that senses float position inside the tank. No tank penetration is needed for installation. The sensor snaps into tank gauges equipped with the Rochester Remote Ready gauge, or replaces the entire mechanical dial. Monitor installation takes less than 5 minutes.

## Alarm Monitors

Centeron Alarm Monitors are the perfect solution for your monitoring needs if immediate notification is needed when alarm set points are exceeded. They are used with the Centeron Alarm Console to generate an audible or visual alarm on site or used with the Centeron Data Center for remote monitoring.

## Switch Monitor

The Centeron Switch Alarm Monitor can be interfaced with a variety of simple switches. Use it to monitor position switches, temperature switches or pressure switches. The Monitor transmits immediately whenever the switch changes state and has the capacity to handle up to two independent switches.

## High Level Alarm Monitor

Centeron Alarm Monitors sense fluid level and immediately transmit an alarm signal when a set point level is reached. The Dual Input High Level Alarm Monitor is specifically designed to provide two alarms for added protection against overfills. Use it with the Centeron Alarm Console to generate an immediate audible and visual alarm, or to automatically shut down the dispensing pump. Just reset the console after the first alarm and the monitor will transmit again when the second limit is reached to re-activate the alarm. The monitor also communicates with any standard Centeron Controller so the alarm status can be accessed at any remote location with Internet access.

Centeron Controllers receive information transmitted by Centeron monitors and send it to one of the Centeron Data Collectors for customer access. Each controller is set up by the customer through the data collector and can be revised at any time to optimize system performance. Controllers with various monitor capacities and performance features are available to suit a wide variety of applications.

## Residential Controller

The Residential Controller wirelessly receives transmitted data from a single Centeron Monitor and sends it to the Centeron Data Collector for customer access.

## Commercial Controller

The Commercial Controller wirelessly receives transmitted data from up to 20 Centeron Monitors and sends it to the Centeron Data Collector for customer access.

## Store & Forward Controller

The Centeron Store & Forward Controller stores all data transmitted by the assigned monitors. It stores up to 100 data points then automatically downloads the information to the Centeron Data Center for customer access. The controller contacts the Data Center immediately when any monitor transmission is manually initiated so current tank status is available on demand.

## Large Tank Gauges

Rochester and Taylor large dials are available with the gauge monitor attached. Both 4' and 8" dials are available.

## Alarm Console

On-site personnel use the Centeron Alarm Console and Centeron Alarm Monitors for applications that require immediate attention when the monitored parameter exceeds a preset value. The Alarm Console can be used to activate an audible or visual alarm or switch an external relay when an alarm condition occurs.

## Data Collection

Centeron offers several ways for customers to remotely access their tank information. The Centeron Data Center is an Internet based system that provides access for multiple users from any location with Internet access. It is the most versatile and lowest maintenance system. The PCView data collectors offer customers the ability to collect and manage their tank information independently. Whatever the system, all Centeron data collectors provide customers with easy access to their tank information and provide secure and reliable performance.

## "Web View" Centeron Data Center

The "Web View" Centeron Data Center is designed to meet the needs of businesses of all sizes. From single site facilities to thousands of tanks located throughout North America, the Centeron Data Center can be customized to fit any business need. And since it is Internet based, tank information is easily retrieved from any location with Internet access. Robertshaw manages the data center to ensure customer information is safe and secure and to maintain optimum system performance.

## PC View" Centeron Data Center

PC View is for businesses that want to take advantage of Centeron wireless monitor and controller technology and want to manage their tank information independent of the Centeron Data Center. Monitored information is received and processed by facilities maintained by the end user. Two PCView options are available.

Local PC View collects information from monitors in the immediate vicinity of the managing facility. All monitors are within radio range of a Centeron Controller that is directly connected to the facility PC. Local PCView software is installed on the computer to enable tank set up, data display, and customized report formats.

Remote PC View collects information from monitors that are located at any off site or on site location. Controllers at off site and on site locations are programmed with a phone number that directs outgoing calls to the managing facility PC. Remote PCView software is installed on the computer to enable tank set up, data display, and customized report formats.

**Delivery Logistics**

Dispatch Compass™ is a web based, dynamic fleet routing system built from the ground up specifically for the liquid product delivery markets. It enables dispatchers to quickly create efficient delivery routes for all combinations of scheduled, will call, and remotely monitored tanks. Any fleet of bulk, multi-compartment, packaged goods, or combo trucks will travel fewer miles in less time for less cost than ever before when Dispatch Compass is used to determine their daily routes

For companies that use remote tank monitoring, the Dispatch Compass OptiFill option automatically decides which tanks at multi-tank locations need product so that "top offs" are eliminated and fleet capacity is maximized. With OptiFill a dramatic increase in delivery capacity can be realized so that new customers can be added with no additional trucks or drivers.

# Centeron Tank Monitoring System (cont.)

Part Number	Description
<b>RPS000T</b>	Centeron Kit -- GM-240 monitor, TC-001 Single Channel Controller, 5 ft. Harness (Remote Ready Dial and Call Block are not included)
<b>Optional Individual Components for Replacement or Multiple Installations</b>	
<b>GM-060</b>	Wireless gauge monitor (includes 5ft cable harness) - 60 minute transmit interval
<b>GM-120</b>	Wireless gauge monitor (includes 5ft cable harness) - 120 minute transmit interval
<b>GM-240</b>	Wireless gauge monitor (includes 5ft cable harness) - 240 minute transmit interval
<b>DG000AIS</b>	Cellular LP monitor - no wire harness or dial
<b>DG000IAIS</b>	Cellular LP monitor with 5 ft wire harness, no dial
<b>TC-001</b>	Single Channel Receiver w/ temperature option
<b>TC-001B</b>	(4) Multi-Channel Receiver w/temperature option
<b>TC-001C</b>	(20) Multi-Channel Receiver w/temperature option
<b>LD10</b>	Tank console - Displays inventory status for 10 tanks from any Centeron Wireless Tank Monitor
<b>SA000EDI00F9000</b>	SatComm Gateway Satellite systems: 24 hour transmit interval, 100-240 VAC, antenna with mounting hardware
<b>SA000EDI00F9001</b>	SatComm Gateway Satellite systems: 24 hour transmit interval, 12V DC input, antenna with mounting hardware
<b>Renewable Call Blocks</b>	
<b>500 CALL BLOCK</b>	Block of 500 Calls
<b>1000 CALL BLOCK</b>	Block of 1,000 Calls
<b>5000 CALL BLOCK</b>	Block of 5,000 Calls
<b>Remote Ready Tank Gauge Dials</b>	
<b>I30022</b>	Taylor A Style replaces 2701 CV Top Mount Remote Ready (Pinholes: Large at 95% and Small at 35%)
<b>I30023</b>	Taylor B Style Replaces 2701 CV Top Mount Remote Ready (Pinholes: Small at 65% and Large at 5%)
<b>5909S02733</b>	Rochester Junior Above Ground Tank Gauge, Remote Ready
<b>5986S02733</b>	Rochester Senior Above Ground Tank Gauge, Remote Ready
<b>5909S02772</b>	Rochester Junior 420 DOT / TABS Tank Gauge Remote Ready
<b>5AAAS02772</b>	Rochester Junior 420 DOT SNAP ON Tank Gauge Remote Ready
<b>GSLRH10100</b>	Rochester 8" Bulk Gauge w/10ft wire Remote Ready - w/8 bolts top bolt at 12 Noon
<b>GSLTH10100</b>	JY Taylor 8" Bulk Gauge w/10ft wire Remote Ready - w/7 bolts
<b>GSLMH101000</b>	Rochester Magnetel 4" dial Remote Ready
<b>GSLSH10100</b>	Rochester Sr 4" dial Remote Ready
<b>Harness Cables</b>	
<b>GSU05</b>	5 Foot Length - Propane Harness Cable
<b>GSU10</b>	10 Foot Length - Propane Harness Cable
<b>GSU20R</b>	20 Foot Length - Propane Harness Cable
<b>SIC86640</b>	Serial cable connects controller to PC, for non call block applications



# GASLOG<sup>®</sup>

## Tank Monitoring Solutions

Low total cost • Simple to install • Immediate savings

### Costs as little as \$3.00 per month

With low initial equipment costs, the Gaslog tank monitoring solution puts you in control:

- Improve delivery efficiency
- Reduce run outs and out of hours drops
- Eliminate zero gallon deliveries
- Reduce driver workload
- Improve cash flow.

### Deployed in under 5 minutes

Gaslog is designed to be installed and utilized by your existing staff, no special skills required:

- Deployed by drivers
- No home access required
- Tank level available same day
- Maintenance free, UL certified
- Field replaceable battery, 5+ year life.

RIGHT INFORMATION, RIGHT DECISIONS, RIGHT NOW!



Over **90,235** Gaslog tank monitors in service

Regional Sales Offices: Colorado: 800-821-3878 • Ohio: 800-537-7518  
 Kentucky: 800-448-9504 • Indiana: 800-662-3252 • Missouri: 800-821-3878  
 Minnesota: 800-328-6291 • Fax: 800-383-4664

Providing solutions for our customers through training, technical knowledge, and choice of quality equipment

## Tank Monitoring Solutions

### Install and activate GASLOG on tanks

- Set refill and overfill alarm set points
- Same day tank level reporting



### Plan predictable use of trucks and drivers

- Avoid customer run outs and penalty drops
- Eliminate zero gallon deliveries
- Increase drop size



### Improve company cash flow

- Reduce operating cost
- Improve customer service



### The GASLOG Advantage

FEATURE	BENEFIT
UL Approved (Class 1 Div 1)	Safe in any hazardous location
Wireless communications	No home access required
Factory fitted SIM card	Operates out of the box
Water proof housing/connectors	Robust and reliable
Two tank inputs	Monitors two tanks
Built in temperature sensor	Records level and temperature
5+ year battery life	Minimal maintenance
Operates from -4°F to +122°F	Designed for hostile environments
Remote configuration	Adjust alarm set points
Tank to desktop connectivity	Secure, reliable data
Web based software	Just login and schedule deliveries



Regional Sales Offices: Colorado: 800-821-3878 • Ohio: 800-537-7518  
 Kentucky: 800-448-9504 • Indiana: 800-662-3252 • Missouri: 800-821-3878  
 Minnesota: 800-328-6291 • Fax: 800-383-4664

Providing solutions for our customers through training, technical knowledge, and choice of quality equipment