

specs

# Digital Cellular Radar Monitor

## Centeron Wireless Tank Monitoring System

The Centeron Digital Cellular Radar Monitor measures and reports the inventory status of product in remote storage tanks. It's battery-powered and completely wireless. Effective even in harsh environments, the monitor features a custom-designed internal antenna that is protected from damage by the enclosure. Tank data is transmitted directly from the tank to the Centeron Data Center using digital cellular technology. Installation is quick and simple, and the patented scheduling feature lets you set up or revise the tank report schedule from your office. The Centeron Cellular Radar Monitor is a simple, cost-effective solution for remote level measurement in storage tanks up to 12 feet in height.

### Setup

- Set up the tank dimensions, measurement schedule, report schedule and alarms from your office. There's no configuration necessary at the tank site.
- Lower the float tape into the tank and turn it on. There's no need to open the monitor to initiate operation.
- A text message is sent to the installer's cell phone to confirm system operation, setup parameters, cellular reception strength and inventory on hand so that operation is verified before leaving the site.
- The monitor has integral 1-1/2" and 2" NPT threads to fit most tanks without additional hardware.

### Measurement

- A level measurement is taken immediately before data transmission so the most up-to-date information is always displayed.
- Measurements can be scheduled at intervals ranging from once every minute to once per day.
- The measurement schedule can be revised at any time from your Centeron Data Center account to optimize system performance.
- Each measurement includes fluid level, battery strength and signal strength.



### Alarms

- Two set point alarms are used to send an immediate report when the tank level gets below or above the limits that you set. Use them to alert when a delivery or pickup is needed.
- The monitor reports immediately when any alarm condition is detected.
- E-mail, fax or text-message alerts can be sent automatically so you are always alerted when a critical condition exists.

### Reports

- Schedule tank reports for when you need them.
- Select from one report per day up to 24 reports per day, or just one report per week
- Select the time of day you want to receive your reports.
- Change the report schedule anytime from your Centeron Data Center account.
- The monitor reports immediately when any alarm condition occurs.

# Centeron®

The World's No. 1 Wireless Tank Monitoring System

### Specifications

- Tank depth: up to 12 ft.
- Operating Temperature: -22°F to +160°F
- Battery Life: 2 years
- Enclosure: UL 50 Type 4 - 4.28" Dia. X 7.32" Ht.
- Integral 1-1/2" and 2" NPT mounting threads
- Certified to UL 61010B-1 and CAN/CSA-C22.2 No. 61010-1-04
- FCC Part 15 approved
- Coverage in the U.S., Canada and Mexico on all GSM networks

Call 865-981-3118 and speak directly to a Robertshaw applications engineer.

Digital Cellular Radar Monitor	
Part No.	Description
DR09600	<b>Tank height up to 8 ft.</b> Factory Settings: Measurement frequency: 30 minutes Report frequency: Once/day @ 6 am
DR14400	<b>Tank height up to 12 ft.</b> Factory Settings: Measurement frequency: 30 minutes Report frequency: Once/day @ 6 am

Manufactured under the following U. S. Patents: 6,055,287; 6,644,114; and 7,249,505.  
 Patents pending in the U.S. and other countries.

**Robertshaw**  
 Industrial Products

U.S.A. – Robertshaw Industrial Products  
 1602 Mustang Drive, Maryville, Tennessee 37801  
 Tel. Sales: 800-237-7429 Technical Support: 865-981-3118  
[www.robertshawindustrial.com](http://www.robertshawindustrial.com) • [www.centeron.net](http://www.centeron.net)

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*Take it to a new level.*