

Technical Data Sheet

CitcoWater.com

Remote Tank Monitoring

CITCO Water's cellular remote monitoring system combines several industry-first features that redefine what's possible with monitoring all types of bulk chemical storage tanks. Engineered with a low profile to reside below protective guards, CITCO Water's Remote Tank Monitoring delivers highly accurate tank information, alerts, alarms and notifications instantly when needed via CITCO Water's Tank Level and Analytics Portal.

Easily installed, CITCO Water's Remote Tank Monitoring is activated using a magnetic reed switch attached to the unit. Connect the magnet to the magnet icon on the label for completion. The unit can be removed and redeployed at any time. Each system will be customized with the correct differential pressure sensor and appropriate cable. The CPVC enclosure around the electronics is manufactured with materials that ensure total compatibility with the liquid being monitored.

Eliminate run-outs and expensive emergency deliveries to optimize replenishment routes and deliver more product less often, thus cutting fleet, driver and fuel costs to make your organization more efficient and profitable.

Tank Data That Drives Results

CITCO Water's combination of high tech electronic hardware, cellular communications and secure web portal provides system users complete visibility into the tank, giving you maximum control over distribution and inventory management. Data includes:

Tank Level	Tank Locating (5 Ways, Including GPS)	Inventory Temperature
Battery Strength	Rate of Consumption	Signal Strength
Critical Low Alerts and Alarms	Critical High Alerts and Alarms	Usage History Report
Efficiency Report	Fill-Detect Delivery Report	Text/Email Notifications



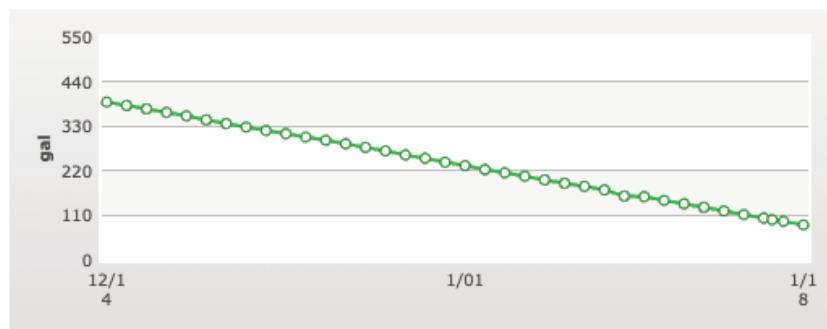
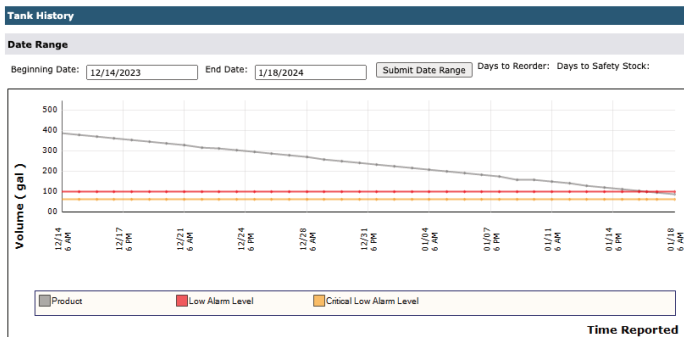
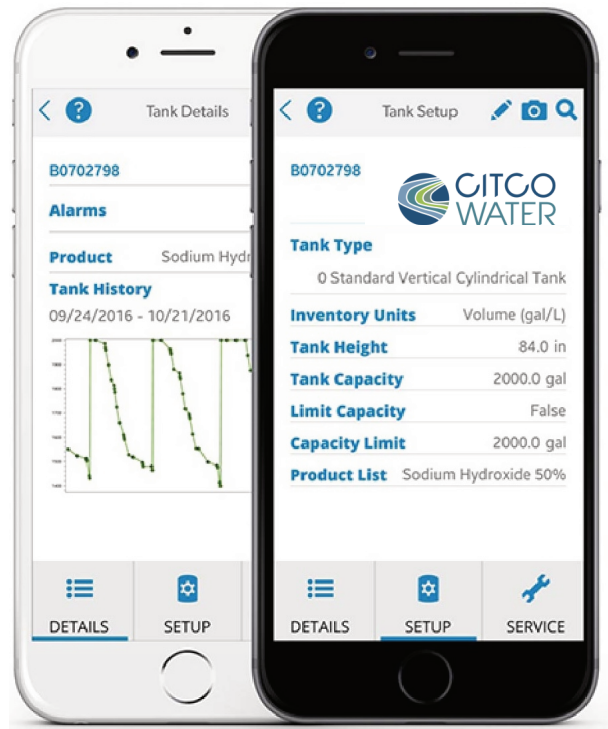
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Remote Tank Monitoring Features & Benefits



- Fast, simple installation - included magnet reed switch activates the device, making it unnecessary to open lid unless directed to by CITCO Water
- Host-Client capabilities for lower costs than (where appropriate)
- LAN-WAN capabilities
- Industry's lowest profile - all parts protected
- Choice of sensors to ensure compatibility. A variety of sensors - with varying degrees of accuracy - are available for multitude of applications, depending on needs and budget. Talk with your CITCO Water sales representative for additional information on accuracy.
- Low cost LTE cellular technology
- Excellent battery life and OTA firmware updates
- Secure, reliable access to tank information when and where you need it



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Remote Tank Monitoring Hardware Specifications



Construction:	ROHS Compliant
Enclosure:	NEMA 4X; weatherproof, UL Approved (UL94V-0); CPVC
Process Fitting:	Simultaneous 2" NPT and 2" Buttress
Unit Gross Weight:	1.3 lbs (590g)
Wireless Communications Mode:	LTE Digital Wireless Radio with fallback to GSM/900MHz Wideband WLAN
RF Approval:	FCC Part 15 B approved
GPS Receiver:	Internal Antenna
LAN/WAN:	Wideband 900MHz, 300 ft. Line of Sight
Output Voltage:	Nominally 14V/24V
Output Current:	Rated from 0-50mA
Load Regulation:	0.5% from @ 30mA load
Ripple:	50 mV Peak-to-Peak
Output Short Circuit Protection:	Current limited to 50 mA
Accuracy:	+/- 0.5% Full Scale of Range (BFST)
Operating Temperature:	-13°F to 158°F (-25°C to 70°C)
Storage Temperature:	-40°F to 185°F (-40°C to -85°C)