



# MONITOR LARGE STORAGE TANKS ANYTIME, ANYWHERE

## Xact® Large Tank Monitoring System



The Xact® tank monitoring system utilizes an ultrasonic sensor to detect and calculate tank fill levels, then transmits that data by satellite to a secure website for access by authorized users using a desktop computer, laptop, tablet, or smart phone.

### Benefits

- External mounting with no reliance on any existing mechanical gauges
- Data sent directly and instantly from the tank via satellite to the user
- No reliance on telephone lines or cell phones, no dropped data
- Temperature adjusted readings for accuracy within  $\pm 2\%$
- User-set alarm levels and automatic low tank-level messaging via e-mail or cell phone
- Works in a wide range of operating temperatures from  $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$
- 3-5 year battery operation at 2 measurements per day
- Fast and easy installation using an Android-based application
- Integrates into MIS delivery scheduling programs
- For tank sizes ranging from 6,000 to 90,000 gallons (22,712 - 340,686 liters), or greater than 60" (152 cm) inside diameter
- Reduces operating expenses and increases profitability

The Xact® tank monitoring system offers energy companies a competitive edge by providing cost-effective and accurate fuel level monitoring of customers' tanks and company-owned tanks, large or small, anywhere in the world. Fuel level information is essential to effectively manage inventory, improve delivery efficiency, and justify capital expenditures. Timely and accurate fill-level data can reduce operating costs and increase profitability to wholesalers and distributors.

The Xact® system utilizes an ultrasonic sensor that is applied externally to the tank to calculate the fill level inside the tank to  $\pm 2\%$  and transmits that data via the Globalstar® satellite network to a secure website for display. Xact is completely independent of the mechanical or float gauges installed on the tank and does not rely on any external power sources, cellular transmission towers or land lines. Operators can now obtain accurate readings and tank information from even the most remote tanks using their desktop computer, laptop, tablet, or smart phone. With the Xact® system, minimum or maximum alarm levels can be set to automatically notify operators by email anytime a particular tank reading exceeds min-max thresholds or needs refilling. Whether your tank is next door, in the field, or far away, Xact® takes the worry and cost out of tank operation and inventory management.

Productivity through Precision.



## SPECIFICATIONS The Xact® Large Tank Monitoring System

### Transmitter

#### Battery

7.2 volt Lithium Thynol Chloride

#### Output Power of Globalstar Satellite Radio

24 dBm +/-2 dB

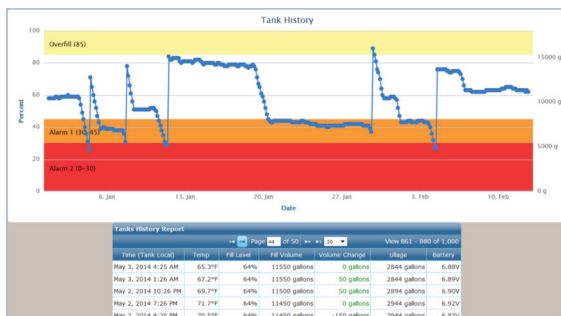
#### Strap

Nylon 40 feet (12 meters)

#### Safety Rating

Class 1 Division 2 Group D

Class 1 Zone 2 Group IIA



The liquid measurement data, along with the geometry of the tank, are used to calculate the precise fill level (+/- 2%) of the liquid in the tank, which is displayed on the Xact website. The tank fill level can also be transmitted into your enterprise resource planning (ERP) system via the internet. Other benefits include email alerts of critical tank fill levels, GPS coordinates used for tank location with mapping capabilities and exportation of measurement data. Minimum tank fill level measurement is 10%.

### Products\* and Part Numbers

Product	Part Number	Added Functionality
Xact Large Tank Transmitter	XACT15096	
Xact Large Tank Transmitter with battery disconnect	XACT16120	Choose for seasonality and/or safety applications
Xact Large Tank Transmitter with processor reset	XACT17120	Choose for measurement on demand
Xact Large Tank Transducer (used in conjunction with one Transmitter unit)	XACT31012	

\*Above is a partial list of products

#### Dimensions

7.56inL x 5.07inW x 2.67inH  
(192mmL x 129mmW x 68mmH)

#### Dimensions

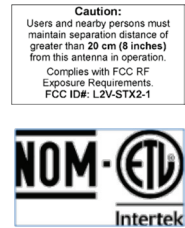
4.01inL x 4.01inW x 1.34inH  
(102mmL x 102mmW x 34mmH)

#### Dimensions

4.92inL x 3.15inW x 2.87inH  
(125mmL x 80mmW x 73mmH)

#### XACT31012 Transducer

### Safety Labels



For more information on Xact® tank monitoring systems, call or email Schmitt Industries.



www.xact-data.com

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