

Electronic Sensors, Inc.

SMS Wireless Liquid Level Gauging Systems

Electronic Sensors, Inc. (ESI) built its foundation by providing a convenient, low cost method of level gauging to the agricultural industry to monitor the level of liquid fertilizer. Seeing a need for ultrasonic gauging in other industries, the line was expanded to satisfy a wide range of liquid level gauging applications. Today, with cellular SMS (Short Message Service) technology and an integrated Multi-Tech SocketModem embedded wireless modem, the Level Devil line makes cellular wireless level gauging possible providing easier accessibility for most applications.

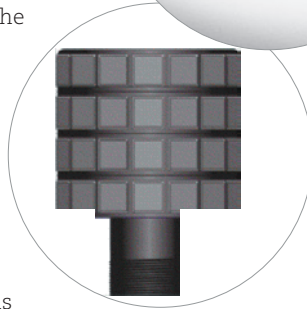
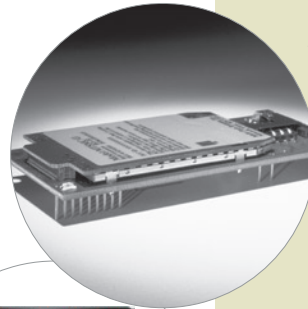
The ESI Model 9176 is a wireless, single-tank, liquid-level monitor. It reports a tank level using SMS and an integrated SocketModem CDMA or GPRS wireless modem. The receiver of the data needs only a cellular phone with SMS service to setup and acquire data.

A liquid storage tank located anywhere in the world where SMS coverage is available may be equipped with a Model 9176. A typical application for the 9176 is to support a Vendor Managed Inventory (VMI) program. The supplier (vendor) of the liquid stored inside the tank may obtain a level reading before scheduling a delivery. The VMI technique allows the vendor to reduce the number of trips to the tank and in return save time and money.

The 9176 wakes up several times each day to perform a variety of programmable checks and if instructed to, will transmit a message via the Multi-Tech SocketModem. Messages are generated to provide automated timed level reports, responses to inbound messages, or to send level alarms or battery levels.

"We chose Multi-Tech based on its reputation for superior quality products," explains Scott Atteberry, COO of ESI. "In addition, the universal socket architecture of the SocketModem module gave us the flexibility to provide interchangeable GPRS or CDMA cellular wireless connectivity allowing us to cover virtually any location in the world."

ESI is the Communication Service Provider for the 9176. In addition, they maintain access to the unit through one of its speed dials that connects directly through the SocketModem wireless modem to help support installation, troubleshooting (if required), and to provide all our general service support.



SocketModem GPRS

- GPRS Class 10
- Packet data up to 85.6K bps
- Universal Socket Connectivity

SocketModem CDMA

- CDMA2000 1xRTT
- Universal Socket Connectivity

Electronic Sensors, Inc.,

Founded in 1984, Electronic Sensors

Inc. in Wichita, KS, is a technology

based manufacturer of

continuous liquid level

monitoring and control

instrumentation. The company

provides a convenient, low cost

method of level gauging to the

agricultural industry to monitor the

level of liquid fertilizer. The company is

also the industry leader in large-scale

bulk inventory management technology.

The Level Devil line includes digital

ultrasonic sensors, 4-20mA ultrasonic

sensors, static pressure transmitters,

differential pressure transmitters,

electro-magnetic sensors, radar units,

single tank controllers, multi-tank

controllers, batch controllers, and

intrinsically safe

systems.



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