

APPLICATION NOTE 133



OVERVIEW

SCADALink SAT100 Satellite Based RTU packages and SatSCADA Server can provide real-time water level monitoring to remote applications where terrestrial communications is limited. Satellite based communications and low power operation ensure rapid and cost effective deployment.

The SAT100 with 4 I/O and RS232/RS485 communications can connect both to analog water level sensors or serial connected sensors/data loggers. With both I/O and serial communications, the SAT100 can talk to industry standard water level sensors/switches including submersible pressure, ultrasonic, or capacitance. SAT100 can be configured to report to the SatSCADA Server on a daily, hourly, or interval schedule; alarm condition, or on user demand.

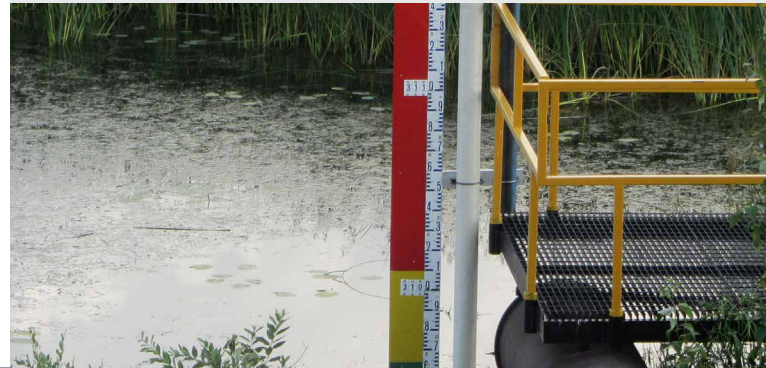
Users can access the water level data in the SatSCADA Server via a web browser on computer or smartphone for Tag or Trend Views. Alarm Notifications are sent out via Email, SMS or voice callout. Customer with existing SCADA hosts can access the remote SAT100 directly or the SatSCADA Server data via a Modbus Proxy.

FEATURES

- Global Coverage via Inmarsat Satellite Network
- No Complicated Antenna Pointing Required
- 1 RS232, 1 RS485 Serial Port
- 4 Onboard Analog Inputs/Digital I/O
- Integration to SatSCADA Server for SCADA Data Communications, RTU, and Alarm Callout Services
- Sensor Power Control
- Daily and Hourly Reports
- Alarm Callout

APPLICATIONS

- River and Lake Level Monitoring
- Groundwater and Borehole Monitoring
- Flood Warning



SYSTEM DIAGRAM

