REMOTE SENSE

LCD DOPPLER®

WIRELESS Monitor

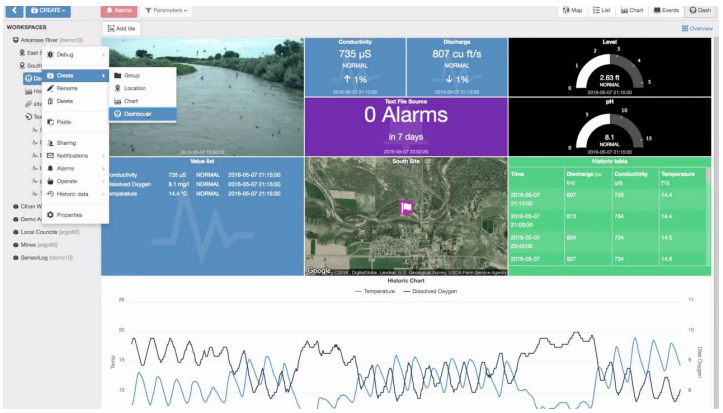
- 4G Wireless GSM / GPRS
- 5” Inch Vibrant graphic LCD Display
- IP65 Waterproof Enclosure
- Connect Multiple Sensors, up to 10 channels
- External Firmware Port
- Wall Mount
- Internal SIM Card & Antenna Connection
- Area Velocity Port

LCD DOPPLER®

Intelligent LCD Doppler wireless monitor is reliable and cost effective. it is designed for monitoring open channels and partially full pipes.

The system comes equipped with an auxiliary sensor port to allow to connect a wide range of different types of sensors, such as non-contact ultrasonic level, 4~20mA interface, analogs sensors with 0.5V ~ 4.5V signal outputs and Float sensor open or close state. The Velocity sensor port is dedicated for Velocity and Depth measurements. Calculate Flow rate and Volume based on your application is simple and easy to do.

The portable wireless monitor is designed to operate with mains power.
Download data manually or transmit data wirelessly to a custom server via FTP. It’s easy and simple to do, just Insert SIM Card, configure your network and server settings. Stream Live Data anywhere in the World.



Dimensions:	L180mm x W150mm x H60mm
Enclosure:	ASA, PC UL 94 materials
Operating Temp:	Logger -40°C ~ +85°C
Sample Rate:	0 to 24hr User defined and programmable
Memory Size:	64MB, Sample storage over 500,000 entries Solid State, non-volatile
Supply Voltage:	6V to 12V DC
Connectors:	IP68, waterproof connectors
Sensor Ports:	User defined, up to 5 channel inputs using 2 connectors
Data Storage:	ASCII format
GSM Modem:	4G Wireless Modem
Local communication:	1 TTL RS232 for PC and monitor Communication
Antenna:	Internal Antenna connection
LCD:	5” Inch LCD Display
Hardware Alarm Dial Out:	High/Low threshold and profile alarms independently programmable on each channel by the end user

REMOTE SENSE

ULTRASONIC NON-CONTACT LEVEL SENSOR

Specification

- Operating Voltage 2.7V to 5.5V
- Resolution of 1 mm
- Operating Temperature -40°C to +65°C
- IP69 Connectors
- Average Current Consumption at 3.3v is 2.5mA
- 5m or 10m Range Sensor Option
- RS232 or TTL Sensor Output

Applications

- Lakes, Rivers & Streams
- Weather Stations
- Tanks Level
- Sewer Overflows
- Weirs & Flumes

10 METER RANGE LOW POWER ULTRASONIC NON-CONTACT LEVEL SENSOR

This ultrasonic Sensor provides very short to long distance detection, high resolution measurements and Weather resistant IP69. It comes equipped with 7 meter length cable as standard.

Very low power requirements with wide voltage supply between 2.7 and 5.5 volts. Average current consumption at 3.3v is 2.5mA.

This sensor is excellent for battery based systems wether it is for single or multiple sensor applications.

1mm high resolution can be obtained when using the serial output option. Serial data output is approximately 6 times per second in 1mm resolution.

High output acoustic power combined with continuously variable gain control, real-time background automatic calibration and noise rejection algorithms results in virtually noise free distance readings.

The sensor is designed for industrial use, fully encapsulated and supplied with waterproof cable and connector.

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NON-CONTACT SURFACE VELOCITY RADAR SENSOR

Specification

- Operating Voltage: 9~16VDC
- Accuracy: 0.03m/s
- Operating Temperature :-30°C to +70°C
- Connector: IP68
- Angle Compensation: 0 to 70 deg
- Size: Diameter 6.7cm & Length 11.8cm
- Distance Range: 0 to 100 meters
- Range: 0.2 to 18 m/s
- Weight: 0.52Kg
- Antenna: Conical Horn
- Microwave Frequency: 34.7GHZ

Applications

- Lakes, Rivers, Streams
- Large open channels
- Sewer pipes

100 METER RANGE
NON-CONTACT SURFACE VELOCITY SENSOR

The Radar surface velocity sensor has been designed for non-contact measurements of the surface flow velocity of water.

Non-contact Radar velocity sensor is excellent for monitoring Rivers, lakes, large open channels and sewer pipes where installations for wet sensors are not suitable.
Combine the Radar Velocity with a non-contact ultrasonic level sensor to obtained a maintenance free flow installation.

This sensor will measure from 100 meters away, offering a great flexibility to the end user to select the correct location for the installation, simply point the sensor to the flow stream, adjust the sensor between 0 to 70 degree angle and within minutes you will be ready to monitor the speed of water.

REMOTE SENSE

Web Platform Software

Cloud delivery and data Management solution

Analysed Real Time Data

Manage Small or Large Network

Set Multiple End Users at not extra cost

Receive Alarm Notification

Monitoring

Track your data in real time and receive instant alerts via email, SMS. Build powerful rules to notify you when critical events occur in your data.

Graphing

Visualise your data in an interactive, easy to use graphing tool. Plugin-free and works on phones and tablets. Boasts advanced curve fitting functions and a powerful data viewer.

Reporting

Get the answers you're looking for through customisable summary reports. Easily combine data from multiple locations using a variety of statistical methods.