

LCD DOPPLER[®]

WIRELESS FLOWMETER

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



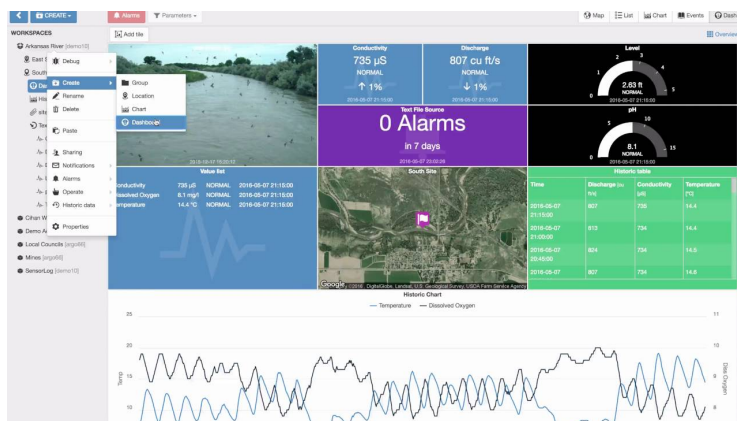
LCD DOPPLER[®]

Intelligent LCD Doppler wireless flow 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. 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 permanent / 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

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE. ... It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application



AV Sense® Ultrasonic Doppler Area - Velocity Sensor



Velocity Sensor Specification

- Method: Ultrasonic Doppler
- Range: 0.02m/s to 8.00m/s
- Resolution: 1mm
- Accuracy: 1.5 %
- Operating Temp: -20°C to 80°C
- Min Operating Depth: 40mm
- Sensor Cable: 7.5mm Diameter 10 meters as standard or up to 50 meters upon request
- Dimensions: L x100mm, Wx50mm, Hx27mm

Depth Sensor Specification

- Pressure: 5PSI (3.5m) or 15 PSI (10m)
- Measuring Depth: 0 ~ 10 meters
- Burst Pressure: + 100 ft
- Temperature Compensation: -20°C to 80°C
- Waterproof
- Signal output: UART or analog 0.5 to 4.5V
- Resolution: 1mm

AREA VELOCITY SENSOR WITH HIGH RESOLUTION PRESSURE DEPTH

AV Sense velocity sensor is design to operate in open channels or partially full pipes. The sensor uses ultrasonic doppler based technology to measure the flow of dirt, bubbles and other particles in a flow stream to measure the speed.

The AV Sense sensor comes with a High resolution 15 PSI submersible pressure sensor and has the capabilities of measuring up to 10 meters of water level at 1 mm resolution.

Two types of velocity sensor are available
1. Area Velocity (Depth sensor included).
2. Velocity only

No sensor calibration is required in the field, simply install sensor to the bottom of the channel or pipes and start collecting data.

AV Sense is compatible as a standalone system when used with Remote Sense field software. It is also compatible with the following Remote Sense data loggers.

- ❖ Doppler Uno
- ❖ Doppler Lite
- ❖ Doppler Pro

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Web Platform Software

Cloud delivery and data Management solution

Analysed Real Time Data

Manage Small or Large Network

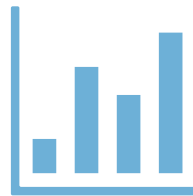
Set Multiple End Users at not extra cost

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.



The screenshot shows the Remote Sense web platform interface. At the top, there's a navigation bar with 'CREATE', 'Alarms', and 'Parameters' buttons. Below that, a 'WORKSPACES' section shows 'Remote Sense Demo' with 'Location 1 (RCC5A)' and 'Location 3 (RDC10)'. The main area is divided into four panels:

- Location map:** A map showing the area around Glasgow, Scotland, with various locations marked.
- Historic table:** A table showing data for three clamps and one RG (Resistor Grid) over time.

Time	Clamp 1 [On/Off]	Clamp 2 [On/Off]	Clamp 3 [On/Off]	RG 1 [Tips]
2017-08-09 19:28:00			0	
2017-08-09 19:27:47			1	
2017-08-09 19:27:39	0			
2017-08-09 19:27:35		0		
2017-08-09 19:27:23		1		
- Battery Voltage:** A gauge showing a current reading of 3.54 Volts, labeled as 'NORMAL'. Below it, an 'Alarm summary' shows '0 Alarms in 7 days'.
- Standard chart:** A line chart showing data for three clamps (Clamp 1, Clamp 2, and Clamp 3) over time from August 4th to 10th. The y-axis ranges from -0.5 to 1.5.