



\* Monitor Shown without Battery Pack

Dimensions:	7 X 7 X 4 in. with bumpers 7 X 7 X 12 in. with Battery Pack and Cage
Weight:	approx. 10 lbs.
Enclosure:	Impact Proof UR, EP materials
Rating:	Fully encapsulated enclosure can be submerged for up to 2 hours under 1m of water
Power:	Logger Input: 3.3V DC Sensor Input: 2V DC Battery Packs
Battery:	Alkaline or Rechargeable Battery Packs Available
Input:	Up to 20 Sensor Channels
Data Storage:	88,000 Samples, 2.5 Years@15 min sample rate
Sampling Rate:	User Defined: 1 Minute Minimum (Standard)
Alarming:	Up to 8 Alarm switches
Wireless:	2G 3G Worldwide Cellular Modem
Software Interface:	FieldSIREN™ Proprietary Field Software (Included free with every purchase.)

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN OR OTHERWISE. ... It shall be 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.

# FLOW SIREN

# ATEX

## INTRINSICALLY SAFE WIRELESS AV FLOWMETER

ATEX - IECEx (Ex II 1G IECEx Ex ia IIB T4 Ga)

DualWave Ultrasonic Doppler Flow Sensors Included

Connect up to 2 AV and 8 Overflow Alarm Switches

Waterproof, Impact Resistant HDPE,UR Enclosure

Alkaline or Rechargeable Battery Pack

### Ex - FLOWSiren™

The ExFLOWSiren™ is an intrinsically safe, multi-sensor autonomous wireless monitoring platform designed to work in the harshest conditions.

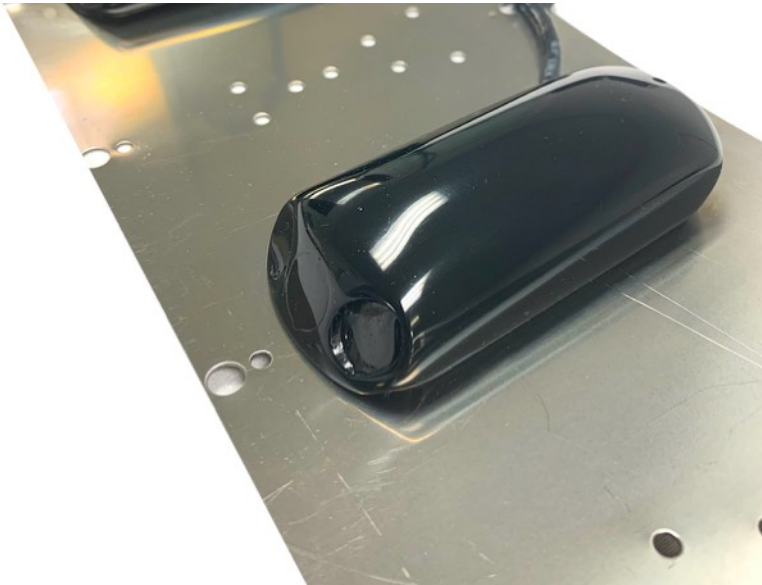
Automatically upload data for analysis to the Cloud, DropBox®, GoogleDrive® or FTP location of your choice. Future proof worldwide wireless module supports multiple countries and cellular frequencies.

**IECEx : Ex ia IIB T4 Ga (Intrinsic Safety 'ia')**  
**Ex : II 1G Ex ia IIB T4 Ga**



# Ex-AV Flow Sensor

## Intrinsically Safe Dual-Wave Ultrasonic Doppler Velocity Sensor



Fully Submersible

Dual-Wave Doppler Technology

Averaging Algorithms Applied

Doppler frequency is proportional to the speed of water in m/s

### Dual-Wave Velocity

The Blue Siren Dual-Wave Velocity (AV) Sensor uses the Doppler effect to measure velocity using acoustic technology.

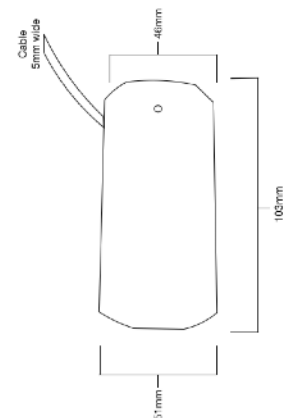
This AV sensor contains both pressure-depth and velocity sensors that are highly sensitive and accurate and provide you with data you can count on.

All electronics are encapsulated within the sensor housing.

Velocity is output via serial digital data stream and depth is output via an analog 0-5V signal.

Dual Wave Technology utilizes dual transmitters, filling the flow stream with more sound waves, reaching a greater acoustic profile.

Pressure:	30ft (10m) 15 PSI
Accuracy:	+/- 2% Laminar Flow
Input Voltage:	6-16V DC
Warmup Time:	2 seconds minimum
Resolution:	1 mm/s or 1 Hz/sec
Range:	0 to +10m/s (-6m/s optional)
Cable:	7.62m (25ft) Standard
Response Time:	4 digital samples/second
Serial Output:	UART - TTL, RS485, Hz
Baud Rate:	4800
Depth Output:	0 - 5V
Depth Accuracy:	5PSI (+-) 1mm or 15PSI (+-) 2mm
Burst Height:	> 100ft (15PSI)
Redundancy:	Multiple Sensors can be used simultaneously using Dual Wave technology
Linearity:	+/- 0.15%



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# DATA MANAGEMENT

## Wireless Cloud Delivery and Data Analysis

*View and Analyze Real Time Data*

*Automatic Delivery to Hosting Provider of your choice, DropBox®, Google Drive®, FTP, email, BlueLive®*

*Batch View Line and Scatter Plots*

*Manage Large Networks*

*Multiple End Users, No Additional Fees*



### FLEXIBLE DATA PLAN AND DELIVERY OPTIONS:

Automatically upload monitor data to BlueLive®, DropBox®, GoogleDrive®, email, or a FTP location of your choice. The internal worldwide 4G LTE wireless module supports multiple countries and cellular frequencies. In addition, WiFi connectivity options also available for infrastructure implementation. Provide your own SIM card and cellular network or have Blue Siren provide one for you. Blue Siren has low cost options on major networks such as AT&T® and Verizon Wireless®.



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