



SOLOSiren®

Industrial Full Pipe Flowmeter



Accurately Monitor Full Pipe Flow Rates

Easy SetUp and Operation

Wireless Data Transmission

Rugged Field Case

Lightweight, Highly Portable Compact Design

Self-Sustaining, User Replaceable Battery System

Technical Specifications:

Dimensions:	9.84" x 6.12" x 2.89"
Weight:	5 lbs.
Enclosure:	ABS / PC / TPU
Power:	Logger Input: 3.3V DC Sensor Input: 12V DC
Battery:	Rechargeable Battery Pack
Input:	Single Sensor - Analog, Serial, Digital or Pulse
Data Storage:	Internal Flash Memory, 88000 Sensor Readings
Sampling Rate:	User Defined: 1 Minute Minimum (Standard) 1 Second Minimum (Optional)
Alarming:	User Defined Data Point Threshold
Wireless:	4G LTE Worldwide Cellular Modem
SMS Alarming:	Optional with Single Point Blind Alarm
Software Interface:	FieldSIREN™ Proprietary Field Software (Included free with every purchase.)
Data Interface:	BlueLive® Cloud Based Big Data Hosting, FTP, Drop Box®, Google Drive®
Temperature:	-40°C to 60°C (-40°F to 140°F)

SOLOSiren®

The SOLOSiren® will provide you with accurate insight into your environmental data collection program without breaking the budget. Designed by field technicians with over 20 years experience, it's rugged, tough, and user-friendly.

With sensor options to meet the demand of today's environmental monitoring challenges, the SOLOSiren® is the go-to device for short term, fast turn-around data acquisition.

With the combination of an ultra-low power microprocessor and a user replaceable power pack, the SOLOSiren® will provide up to six months of data acquisition on a single charge.

With simplified user definable sampling, alarm, and data transmission rates, know the condition of your site in near real-time.



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.



Full Pipe Flow Product Specification Sheet



LCD Display with 2 line 16 characters

4 key tactile feedback membrane keypad

Easy to install

Operates on steel, stainless steel, copper, and plastic

Full Pipe Flow

The Full-Pipe Flow Sensor sends repetitive ultrasonic waves between its upstream and downstream transducers. The difference between the time it takes for the wave to travel back and forth between the two transducers is directly proportional to the velocity of the fluid traveling through.

When placed on the pipe at a 45° angle the Full-Pipe Flow Sensor allows you to accurately measure industrial, sewage, drinking, and other fluids' velocity.

Technical Specifications:

Body Material:	Plastic Polycarbonate
Dimensions:	250mm x 48mm x 90mm (electronics + guide rail)
Timing Resolution:	+/-50ps
Flow Velocity Range:	0.1 to 10 m/s
Accuracy:	+/-3% of flow reading for velocity rate >0.3m/s
Repeatability:	+/-0.15% of measured value
Power Input:	12-24V AC or DC
Power Consumption:	7VA max.
Pulse Output:	Opto-isolated MOSFET volt free contact
Frequency Mode:	200 Hz max. (Range 1-200)
Max. Load Voltage/Current:	48V AC / 500mA
Current Output:	4 - 20mA
Current Resolution:	0.1% of full scale
Operating Temp (Electronics):	0°C to 50°C (32°F to 122°F)

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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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