



SOLOSiren®

Electrical Conductivity (EC) Monitor

Accurate Wireless Electrical Conductivity Monitor

Easy SetUp and Operation

Wireless Data Transmission

Rugged Field Case

Lightweight, Highly Portable Compact Design

Self-Sustaining, User Replaceable Battery System

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.



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)



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.



Electrical Conductivity EC Sensor



Fully Submersible

Max Pressure Of 200 PSI

Temperature Range Of 0-110°C

Embedded Conductivity Circuit

Continuous 1 Reading Per Second

Technical Specifications:

Body Material: CPVC, Graphite, Viton

Temp. Probe Type: Class A Platinum, RTD

Reads: Conductivity = $\mu\text{S/cm}$
Total Dissolved Solids = ppm
Salinity = PSU (ppt) 0.00 - 42.00

Response Time: 1 Reading Per Second

Max Depth: 60m (197ft)

Max Pressure: 200 PSI

Range: 5 - 200,000 $\mu\text{S/cm}$

Accuracy: +/- (0.15 + (0.002*t))

Operating Voltage: 3.3V - 5V DC

Temperature Range °C: 0°C to 110°C

Temp. Compensation: Yes

Cable: 3 Meters (10 Feet)

Data Protocol: UART and I²C

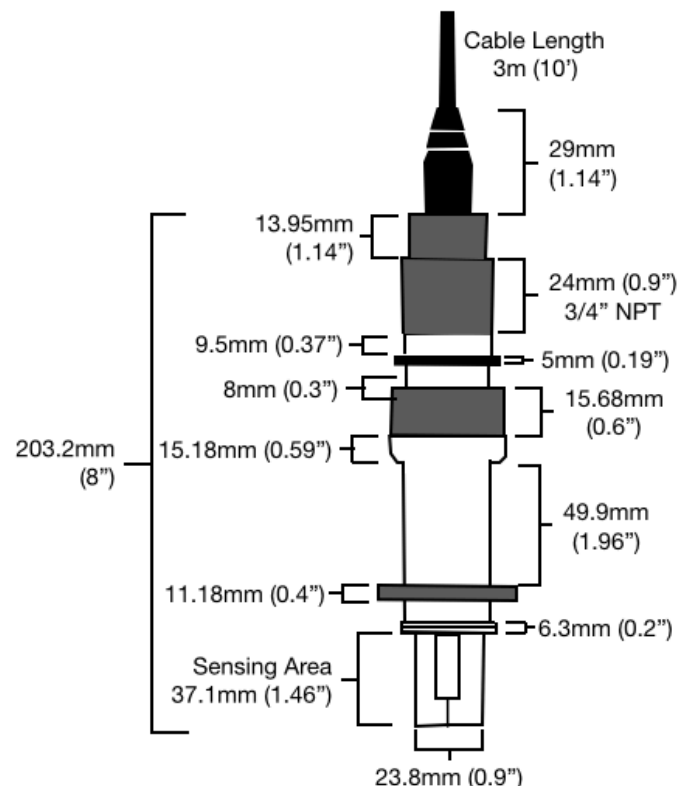
Data Format: ASCII

Electrical Conductivity

Easily measure and monitor EC levels for industrial, water and wastewater applications.

Two electrodes are stored opposite of each other in the EC probe. When power is applied cations move to the negative electrode while anions move to the positive electrode. The higher the number of free electrolytes in the fluid the higher the EC reading.

This high-temperature resistant sensor is great for industrial application for any fluids up to 60m in depth.



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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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