



## Electrical Conductivity Kit

SEN-12908

★★★★☆ 1

### DESCRIPTION

INCLUDES

FEATURES

DOCUMENTS

Atlas Scientific is on a mission to make high-quality sensors for environmental monitoring available to everyday hackers and makers. All of their kits are easy to calibrate and connect to your microcontroller-based project.

When was the last time you measured something in microsiemens? Well isn't it about time you did? Siemens are the SI unit for measuring something called conductance which is simply the inverse of an element's resistance, and it can tell you a lot about a substance! The Atlas Scientific Conductivity Kit comes with everything you need to get your lab-grade embedded conductivity system up and running! The included epoxy/platinum conductivity probe is accurate enough for lab work, but rugged enough for long-term field use.

Simply connect the probe to the conductivity circuit using the included BNC connector breakout, do some quick calibration with the included calibration solutions and you're ready to measure conductivity, total derived solids (referenced to KCL) and salinity! Salinity values are derived from the Practical Salinity Scale (PSS-78) and more information can be found in the datasheet.

This kit includes the K1.0 conductivity probe and the EZO™ Conductivity Circuit, when combined are accurate from 0.55 µS/cm to 500,000+ µS/cm and is best deployed in brackish water. The included calibration solutions will help you dial this sensor in (it's really easy, we promise).

If you've ever had to test or monitor the conductivity of aquariums, hydroponic gardens, soil samples or strong reducing agents, then you know that building and maintaining an accurate probe system has never been this easy.

### Tags

ATLAS SCIENTIFIC

BIOMETRICS

ELECTRICAL CONDUCTIVITY

EZO

KIT

SENSOR

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## Electrical Conductivity Kit Product Help and Resources

### SKILLS NEEDED

### Core Skill: Programming

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.



**Skill Level: Rookie** - You will need a better fundamental understand of what code is, and how it works. You will be using beginner-level software and development tools like Arduino. You will be dealing directly with code, but numerous examples and libraries are available. Sensors or shields will communicate with serial or TTL.

[See all skill levels](#)

### Core Skill: Electrical Prototyping

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.



COMMENTS 3

REVIEWS ★★★★★ 1

## Customer Reviews

★★★★☆ 4 out of 5

Based on 1 ratings:

5 star		0
4 star		1
3 star		0
2 star		0
1 star		0

Currently viewing all customer reviews.

1 of 1 found this helpful:

★★★★☆ Not working

about 2 years ago by **Member #715589** verified purchaser

I bought this and a pH sensor kit, but i cant get this working. Only once it started, and then it filled the screen with unreadable text. Baud was set to 38400 as default. PH kit working atleast.... And i was not very happy with the toll fee, total cost was

**Single T** replied on September 28, 2015:

I'm sorry about your issues. Please contact our support team for assistance. We can get you in touch with someone who can help.

As for the cost associated with customs, duties, and taxes, unfortunately we have no control over individual country's fees. I'm sorry there is nothing more we can do for you there.



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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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