



StretchSense™

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Silicone Stretch Sensor

QUICK START GUIDE

VERSION 2.0 171016



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Step by Step Connecting

For a fast and simple connection, an FFC connector has been provided:



1.

Slide the flexible connector of the Silicone Stretch Sensor into the two crimps.



2.

Snap down the connector lid to form the crimp connection.



3.

Plug the other end of the connector into the 10 Channel SPI Sensing Circuit. You can connect up to 10 sensors per circuit.



Ensure that the SPI-to-Bluetooth® low energy Adapter Board is attached.



Plug in battery and turn on the Bluetooth low energy board with the toggle switch.

The flexible integrated PCB allows for a wide range of custom connection solutions, so explore your options to find the optimal method for your specific application.

The circuit can now be paired with the StretchSense App. Open the app and press the Bluetooth button at the top of the screen to connect with the circuit.

4.

Deform the sensor and see the graph respond to the sensors change in shape.

Record data by pressing the save (on Android) or record (on iOS) button at the top of the screen.

Data can be retrieved from the StretchSense folder on your Android device, or can be shared straight from the iOS app.

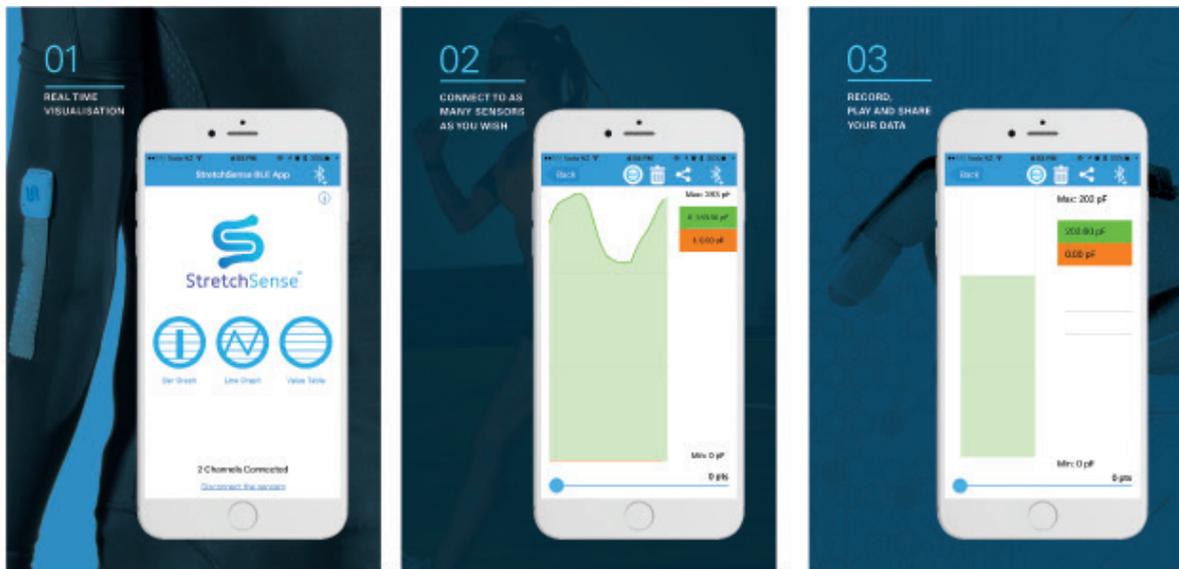
The data is stored in a comma separated value (.csv) file, in pairs of Capacitance (in picoFarads), and Time Stamp (in milliseconds).

The StretchSense App

StretchSense provides Apps for both iOS and Android. Connect multiple sensors at a time for real-time motion feedback.

For Android:
Download the “[StretchSense 10 Channel BLE](#)” App from the Google Play store

For iOS:
Download the “[StretchSense BLE App](#)” from the Apple App Store



Our Resources

Check out the StretchSense [resources page](http://www.stretchsense.com/articles-resources/resources) at www.stretchsense.com/articles-resources/resources for additional info on our Silicone Stretch Sensor and 10 Channel SPI Sensing Circuit.

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