

STRETCHSENSE 3-CHANNEL SILICONE SENSOR



NZ +64 9 634 1927
USA +1 415 800 1003

sales@stretchsense.com

114 Rockfield Road, Penrose,
Auckland 1061, New Zealand

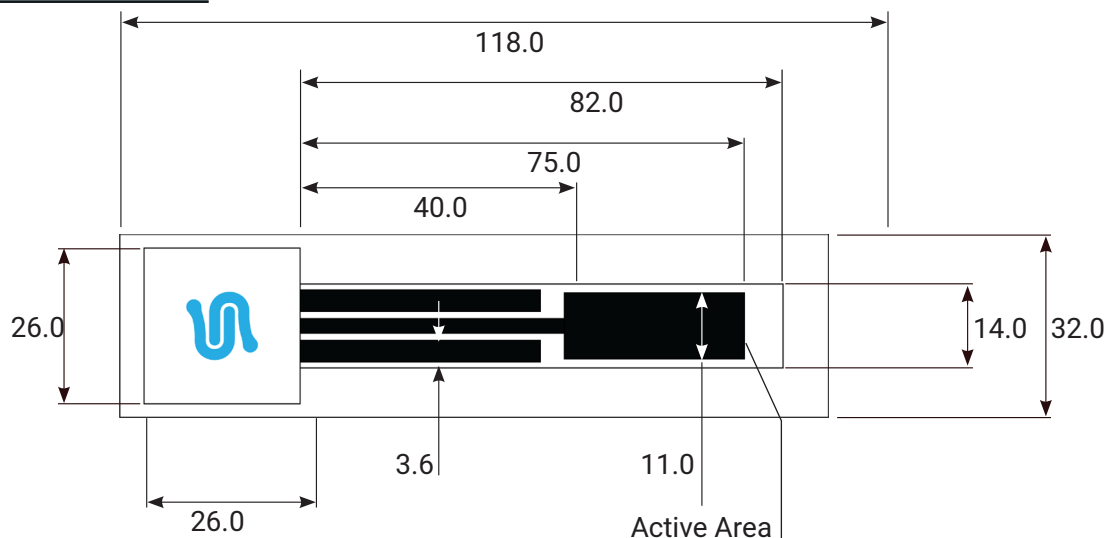
PRODUCT OVERVIEW

The StretchSense 3-Channel Silicone Sensor is designed to capture finger splay motion. Accurately measure the lateral movements of the fingers with these light-weight, robust sensors. Extracting motion data from the fingers is highly beneficial for many applications in the field of AR/VR technologies.

PRODUCT DRAWING

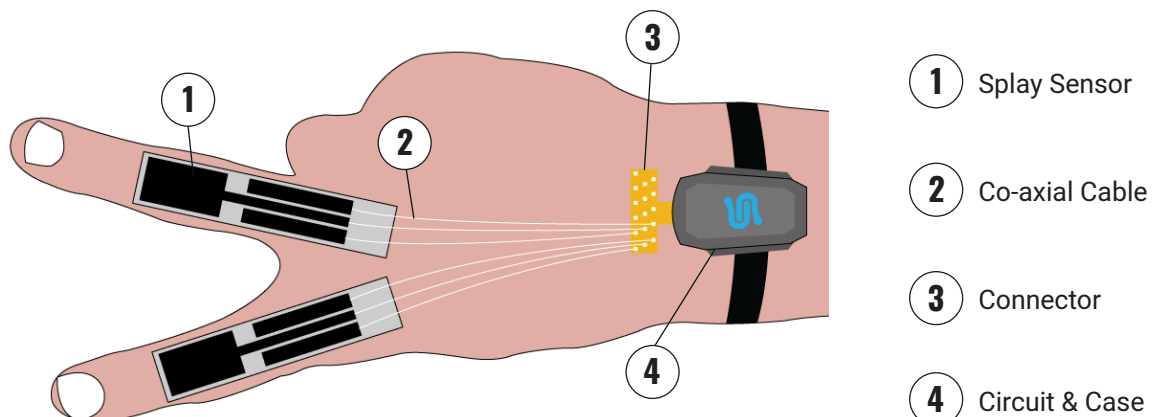


TECHNICAL DRAWING

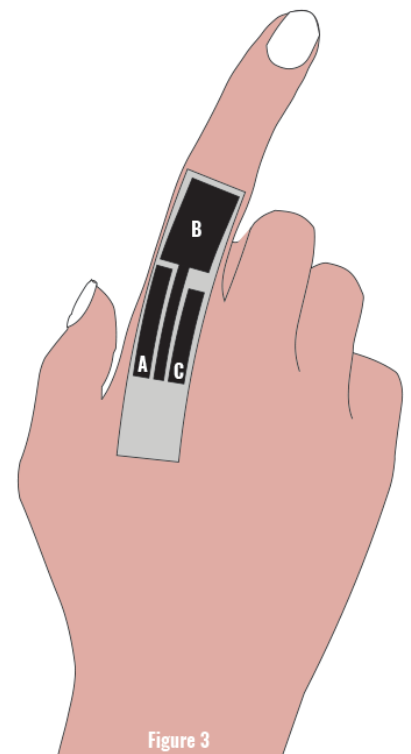
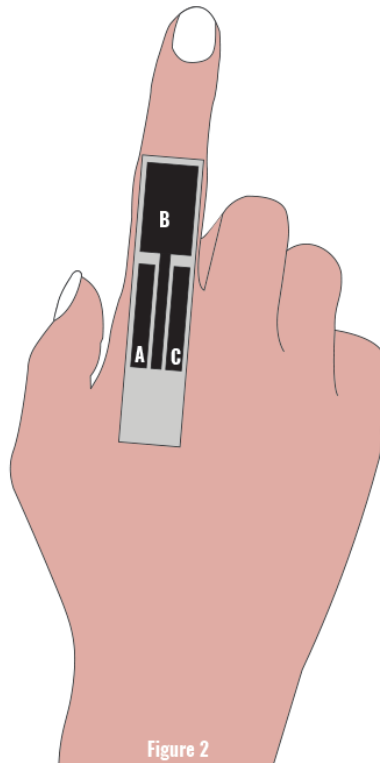
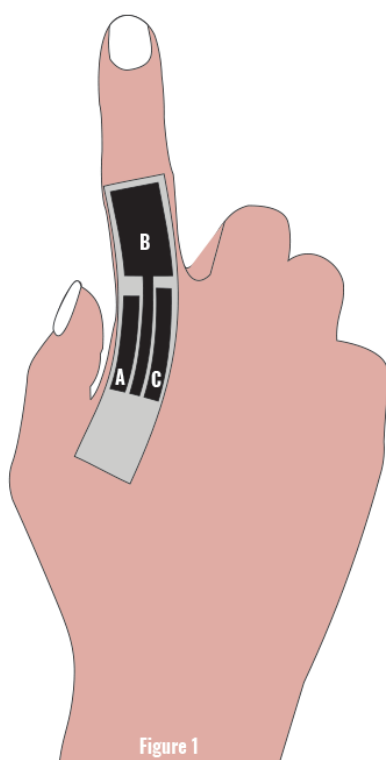


All measurements in mm

USE-CASE DIAGRAM



HOW IT WORKS:



In the diagram above, we see a splay sensor with channels A, B and C. Channels A and C are what will help us determine if splay movement is occurring. Channel B is placed above and between channels A and C to capture bending at the middle knuckle.

We see that as the index finger moves to the left, channel A decreases in length and channel C increases. Conversely, when the finger moves to the right, channel A increases and channel C decreases. Looking at the difference enables us to determine the finger's lateral position.