

STRETCHSENSE 3-CHANNEL SILICONE SENSOR



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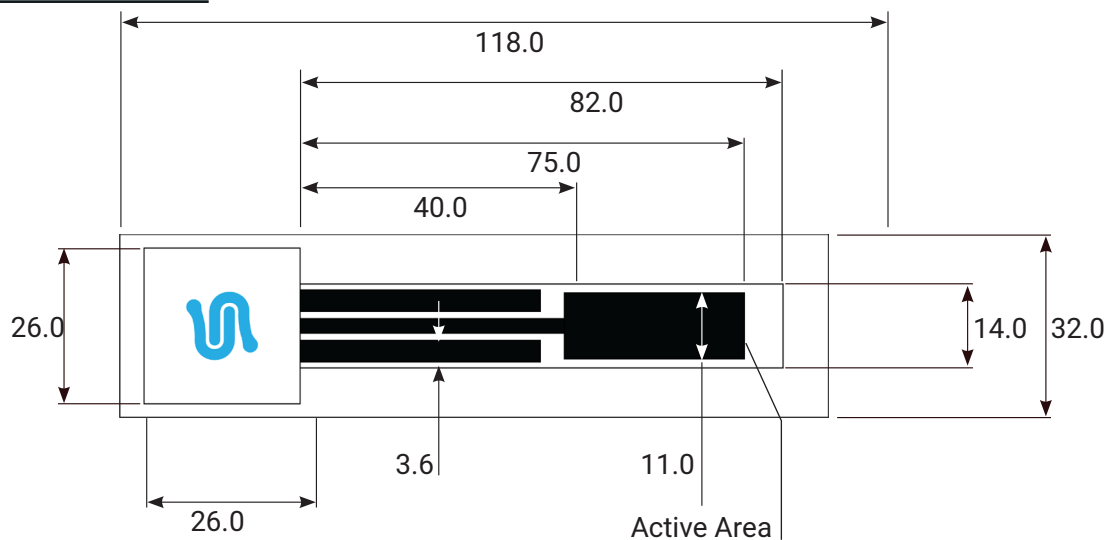
PRODUCT OVERVIEW

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.

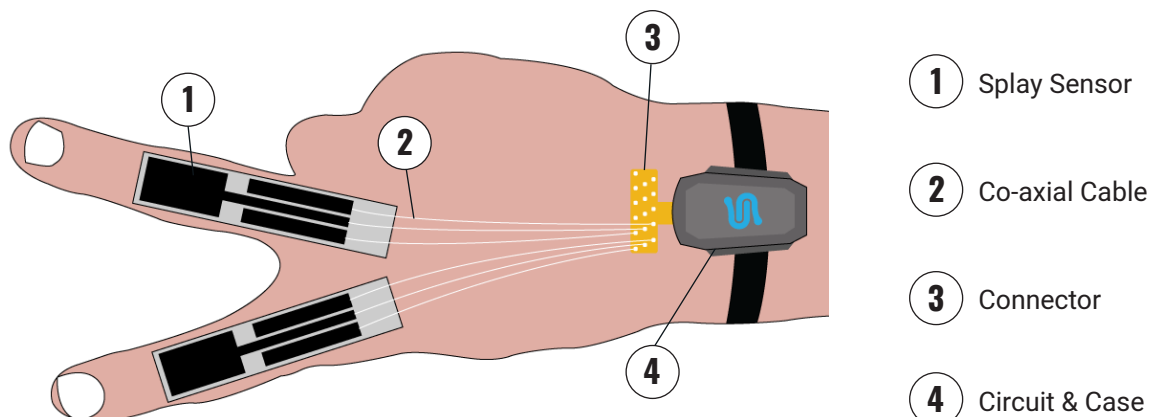
PRODUCT DRAWING



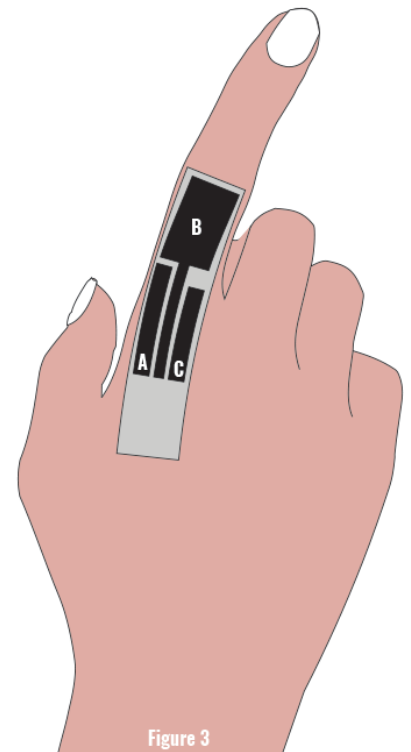
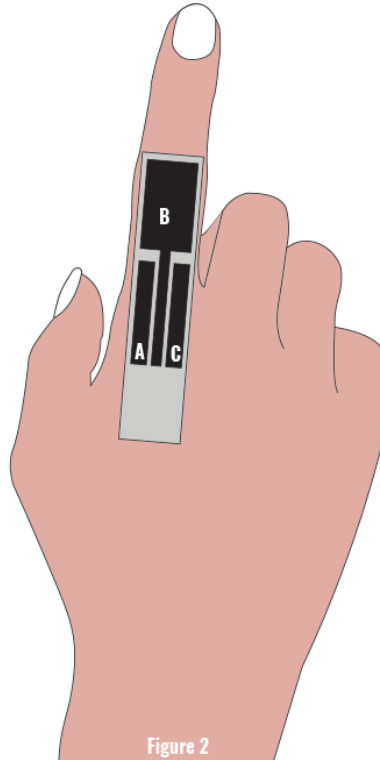
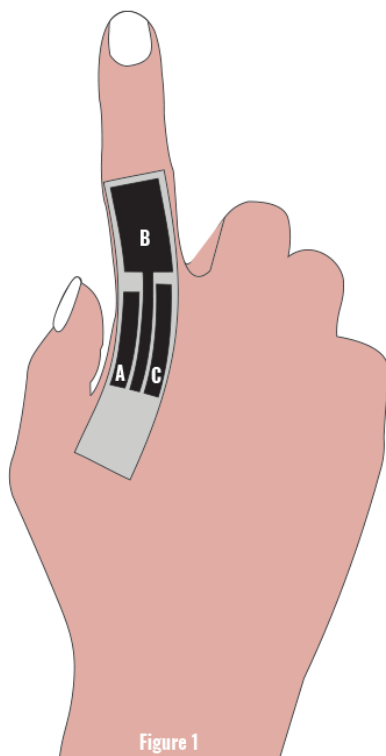
TECHNICAL DRAWING



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.