



Transforming Electronics into Fabrics

Electronic Fabric Technology

Fabric Sensors for advanced differential pressure sensing, that still functions while bending.

**Purchase can be made for fabric sensors alone, or a SDK system.*



**Fabric sensor system*

Fabric Pressure Sensor

A differential pressure sensor that can fold and still function.

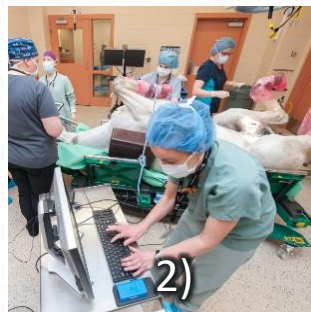
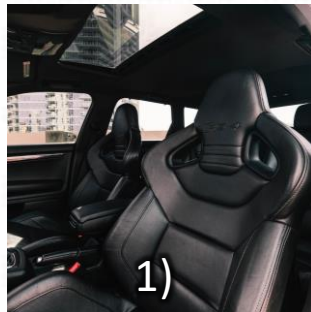
Made with innovative electronic fabric technology that functions with high precision in complex environments.

Capable of 3-Dimensional mapping *and* vital signs, while reducing signal interference from environmental noise.

Click [HERE](#) for demonstration of output signals.

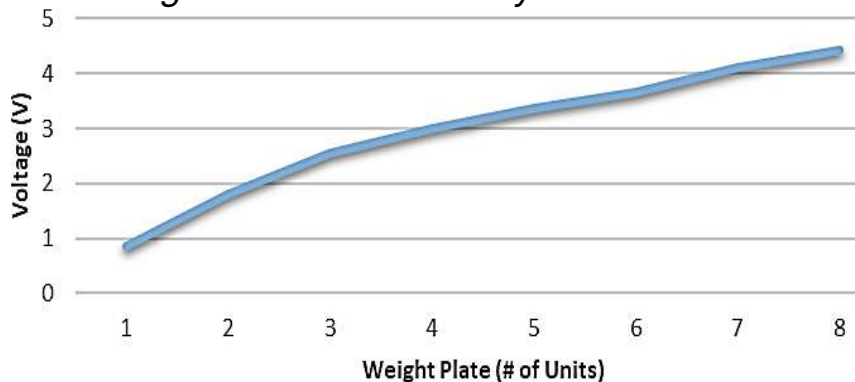
Use-Cases

- 1) Vehicle seat sensors
- 2) Health monitoring
- 3) Robot haptic touch



Pressure Reading

Weight limit and sensitivity can be increased.



- ✓ Validated in a clinical study for health monitoring (ClinicalTrials.gov Identifier: [NCT03119103](https://clinicaltrials.gov/ct2/show/study/NCT03119103))
- ✓ Publication of [clinical results](#)

Contact Inquiries

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Sensor Comparisons

Sensor Specifications:

Output Signal: Voltage (V) $\Delta \sim$ Applied Force

Sensing Area:

- 1) Standard: 38.1.4 mm x 25.4 mm (1.5 inch X 1 inch)
- 2) Customizable: Surface area coverage & number of sensors in an array

Sensor Resistivity: 0.6 Ω / cm

Power Consumption: 3.8W

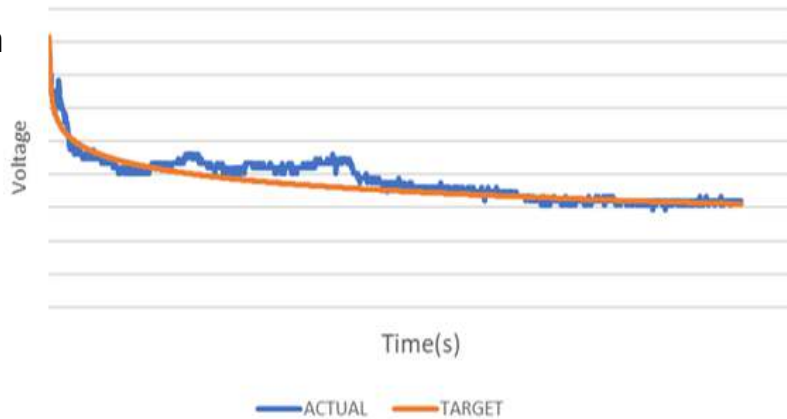
Supply Voltage: 5V

Current: 0.7A

Heat Resistance: Less than 180 °C

Signal Consistency

Test: 5 kg weight applied for 120 minutes



Sensor Comparison

