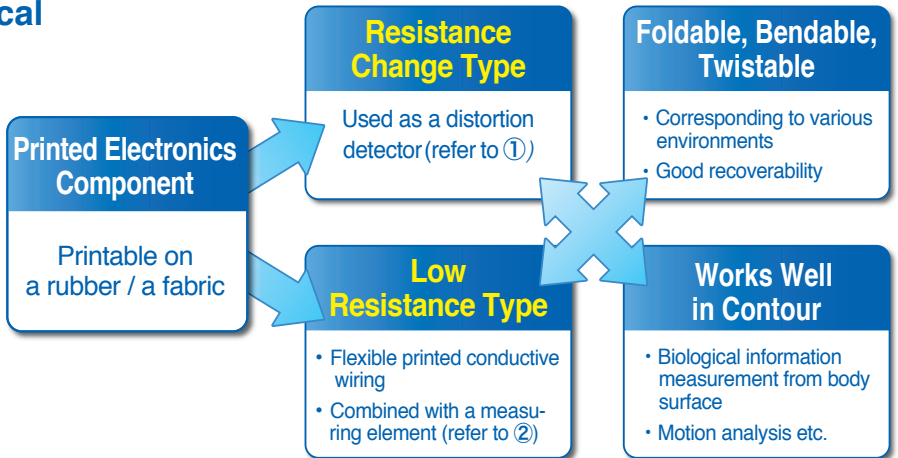
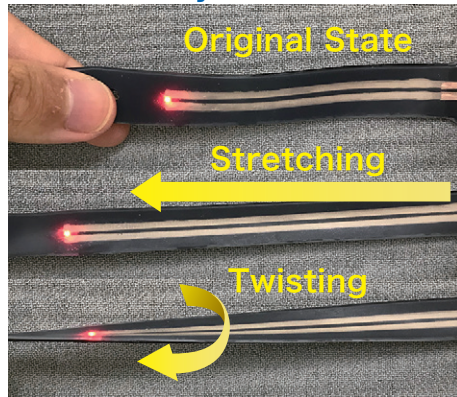




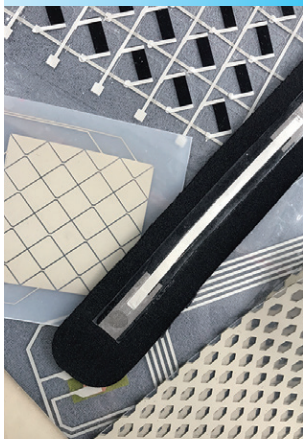
Stretchable Sensor Sheet

A sensor maintaining electrical conductivity after stretched

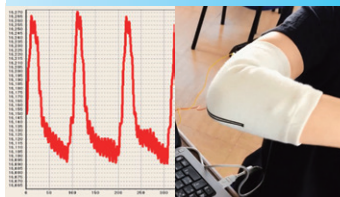


Features

Flexible Design



Good recoverability



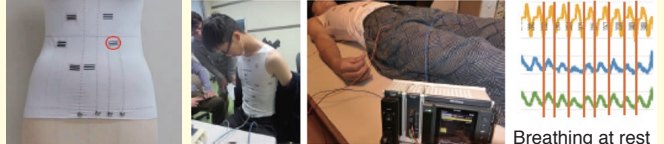
Can be connected to an electrical board



Current development with Nara Women's University on breathing monitor

These sensors are used for the **chest** and **abdomen**

Simultaneously measured between a field-portable aspiration meter (nasal cannula) and our wearing sensor for comparative evaluation.



- Our wearable sensor obtained a similar result to nasal cannula.
- Breathing data on any other body parts can be achieved.

Characteristics

	① Stretchable Sensor Type	② Low Resistance Wiring Type
1. Features	Proportional resistance change by stretching After Cycle Test (0%↔20%) 	Maintaining resistance after bending, twisting and stretching Sample size : 25mm×3mm After Cycle Test (0%↔50%)
2. Conductive Material	Carbon black	Silver
3. Resistivity	10 Ω·cm	1.0 × 10 ⁻³ Ω·cm