



Stretch & Bend Sensor

From Design to Manufacturing
A Turn-key Solution Provider

Sensor
Wearable
Smart Rehab

STRETCH SENSOR



To measure the amount of extension, which is ideal for wearable devices, motion-monitoring systems, etc.



REAL-TIME
FEEDBACK



EXTENSION
RANGE : 0~100%



THIN, LIGHT
& ELASTIC



CUSTOMIZATION
AVAILABLE

BENDING DETECTION SENSOR



To measure the amount of bending, and will not affected by the pressure easily, giving users a more reliable data output.



REAL-TIME
FEEDBACK



THIN, LIGHT
& FLEXIBLE



UNAFFECTED BY
PRESSURE EASILY.



CUSTOMIZATION
AVAILABLE



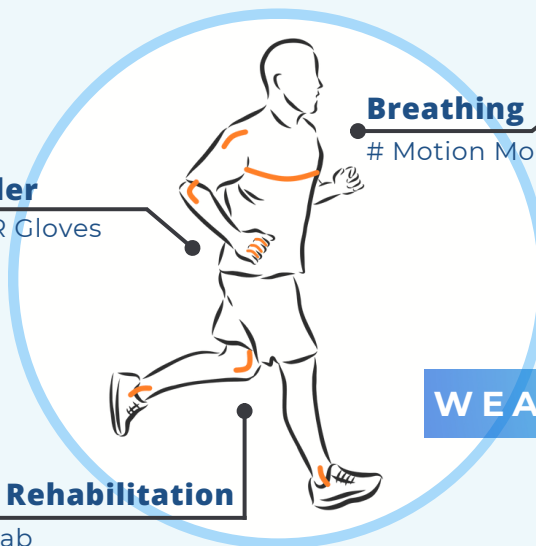
VR Controller

Rehab # VR Gloves



Joint Rehabilitation

Rehab



Breathing

Motion Monitoring



WEARABLE TECH.

Membrane Force Sensor

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FSR

Force Sensor can detect the change of applied force and be used in pressure measurement in a variety of applications, such as rehabilitation, industrial, automotive, wearable device, VR, etc.

Models

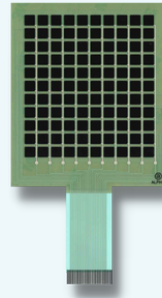
FORCE SENSOR

Detect the change of force and can be used in pressure measurement



PRESSURE SENSOR ARRAY

Multi-touched sensor allow user to detect force (Z) & position (X-Y)



INSOLE PRESSURE SENSOR

Measure foot pressure & pressure distribution



Features



REAL-TIME
FEEDBACK



LOW-POWER
NEEDED



THIN, LIGHT & FLEXIBLE



CUSTOMIZATION AVAILABLE

Applications



HAND STRENGTH
DETECTION



SLEEPING POSTURE
MONITORING



FOOT PRESSURE
MEASUREMENT



INVENTORY
MANAGEMENT

Membrane Position Sensors

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Position sensors, also known as membrane potentiometers, can measure the resistance output corresponding to the position of the applied force, offering a means to assess the position at different points along the sensors' surface.

Models

LINEAR POSITION SENSOR

Detect linear position



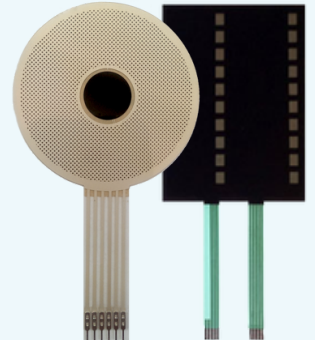
ROTARY POSITION SENSOR

Detect rotary position



FORCE + POSITION SENSOR

Integration of both force and position sensing



Features



SUPERIOR LINEARITY
FROM $\pm 1\%$ TO $\pm 3\%$



LOW POWER CONSUMPTION



THIN, LIGHTWEIGHT & FLEXIBLE

Applications



CONSUMER ELECTRONICS

- Slide-bar control (light & volume)
- Musical devices (mixer)



INDUSTRIAL

- Fluid level monitoring
- Control panel



MEDICAL DEVICES

- Medication volume monitoring (syringe & inhaler)