

Force Sensor



Improved from standard membrane force sensors, ALPHA's new proprietary design will yield greater resolution under high-pressure ranges and enhance the overall sensitivity for fitness wearable products.

Features

- Ultra-thin
- Flexible and sealed properties
- Customization available
- Improved resolution under high- pressure



Specification

PRESSURE SENSITIVITY RANGE	0.3 bar ~ 10 bar
FORCE REPEATABILITY (SINGLE PART)	±5%
FORCE REPEATABILITY (PART TO PART)	±20%
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20MΩ
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	>1 Million

Pressure-Resistance Curve comparison

