

MF18A Sensor Kit

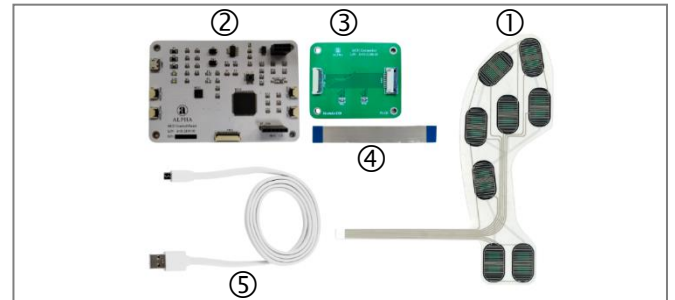


Insole Pressure Sensor

Sensor kit will assist you to quickly understand the sensor technology and evaluate suitability for your design.

What' included

1. 1 piece: MF18A-N-0A8-A01
2. 1 piece: PCB
3. 1 piece: 1*8 adapter board
4. 1 piece: FFC cable
5. Micro USB cable



Sensor kit request

System Requirements:

- Window10 32bits/64bits
- RAM: 8G
- CPU: 7HI3

Insole Pressure Sensor kit :

Insole pressure sensors are designed to measure foot pressure distribution. They provide valuable data on how pressure is distributed across the foot during activities like walking, running, or standing. These sensors are used in fields such as sports science, biomechanics, rehabilitation, and footwear design to analyze gait patterns, detect abnormalities, and optimize performance or comfort.

In order to ensure usability for a wider audience, Taiwan Alpha has developed a user-friendly sensor kit accompanied by software for simple reading and recording.



Force Distribution:

You can see your foot pressure distribution with this sensor kit.

It also has raw data, which can be used in software design and further analysis.

MF18A Sensor Kit



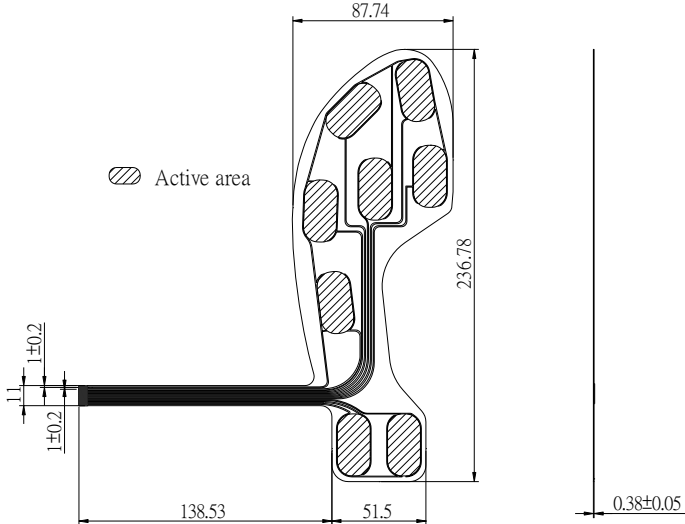
Insole Pressure Sensor

Application

- ✓ Balance training, Rehabilitation, Health and Sports, Wearable and many applications.

Feature

- ✓ Ultra-thin and flexible
- ✓ Improved resolution under high-pressure.

Order Code	Outline Drawing
MF18A-N-0A8-A01	

SPECIFICATION

MODEL	MF18A-N-0A8-A01
PRESSURE SENSITIVITY RANGE (EACH FOOT)	30 kg ~ 100 kg (290N ~ 980N)
FORCE REPEATABILITY (SINGLE PART)	±5%
FORCE REPEATABILITY (PART TO PART)	±30%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20M Ω
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	> 1 million

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.