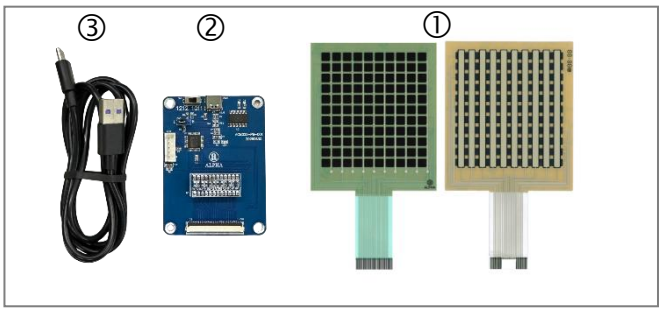
Pressure Sensor Array Sensor Kit

Pressure Sensor Array Sensor

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

What' included

1. 1 piece: MMS1011 or MMT1011
2. 1 piece: PCB
3. 1 piece: Type C



Sensor Demo kit request

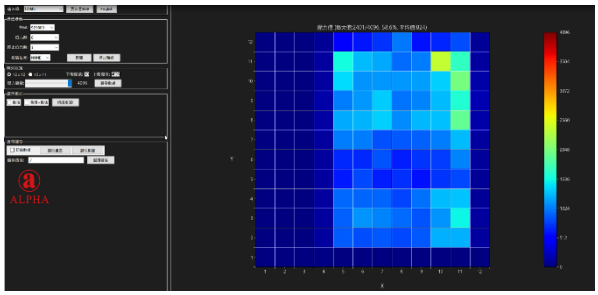
System Requirements:

- Win 7, 64 bits or later, compatible with Windows.

Pressure Sensor Array Sensor kit：

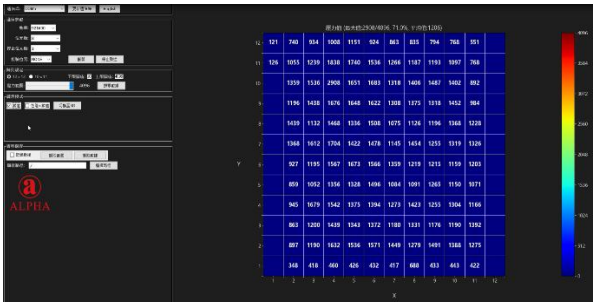
Pressure Sensor Arrays, also known as Matrix sensors, are designed to capture and analyze pressure distribution across a surface. It's useful in applications where understanding pressure patterns is critical. In order to ensure usability for a wider audience, Taiwan Alpha has developed a user-friendly sensor kit accompanied by software for simple reading and recording.

The sensor kit includes different modes, 2D, 3D and Digital Output.



2D Mode:

Captures pressure distribution in two dimensions, providing a detailed analysis of surface pressure patterns.

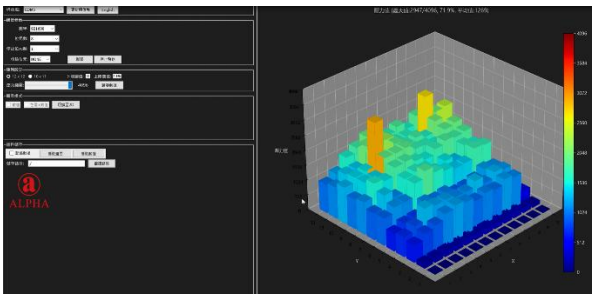


Digital Output Mode:

Provides a digital representation of the pressure data, facilitating easy integration with digital systems and processors.

Pressure Sensor Array Sensor Kit

Pressure Sensor Array Sensor



3D Mode:

Extends the analysis to three dimensions, offering a comprehensive understanding of pressure distribution in a spatial context.

Pressure Sensor Array Sensor Kit

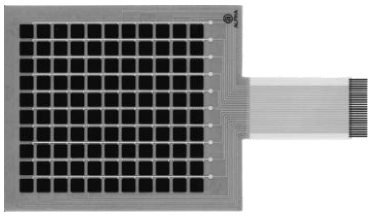
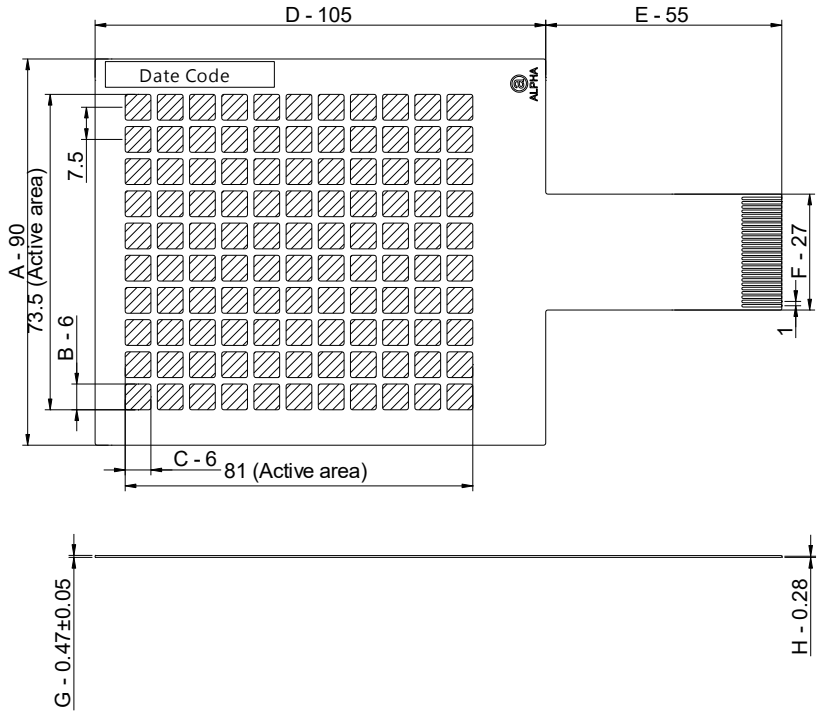
Pressure Sensor Array Sensor

Application

- ✓ Pressure distribution applications such as body and foot pressure mapping system, balance training and rehabilitation, and inventory management.

Feature

- ✓ Provides multi-touch function with position (X-Y) and force (Z) detection.

Order Code	Outline Drawing
MMS1011-N-026-A01 	

SPECIFICATION

MODEL	MMS1011-N-026-A01
FORCE SENSITIVITY RANGE	50g~5000g(0.5N~49N)
FORCE REPEATABILITY (SINGLE PART)	2%
FORCE REPEATABILITY (PART TO PART)	10%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20M Ω
RESPONSE TIME	<1ms
OPERATION TEMPERATURE	-30°C to +85°C
LIFE CYCLE (WITHOUT FAILURE)	> 1 Million
IP RATING	IP65

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.

Pressure Sensor Array Sensor Kit

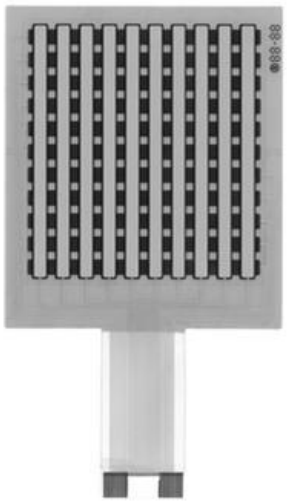
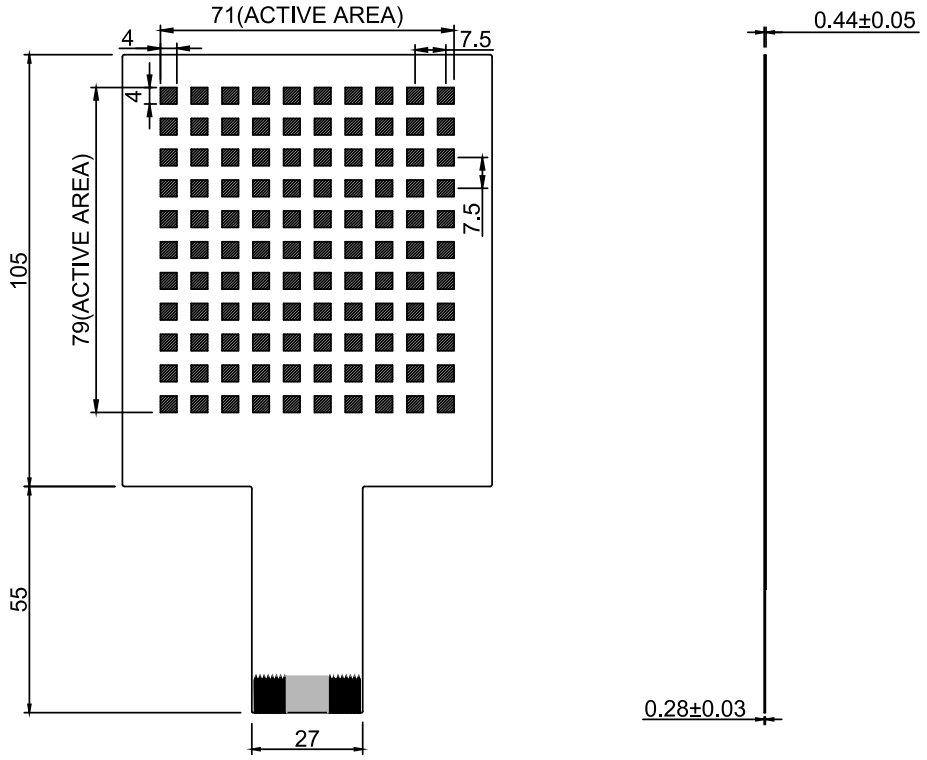
Pressure Sensor Array Sensor

Application

✓ Pressure distribution applications such as body and foot pressure mapping system, balance training rehabilitation, inventory management, and many more others.

Feature

✓ Provides multi-touch function with position (X-Y) and force (Z) detection.

Order Code	Outline Drawing
MMT1011-N-026-A01 	

SPECIFICATION

MODEL	MMT1011-N-026-A01
FORCE SENSITIVITY RANGE	20g~1000g(0.2N~10N)
FORCE REPEATABILITY (SINGLE PART)	2%
FORCE REPEATABILITY (PART TO PART)	10%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20M Ω
RESPONSE TIME	<1ms
OPERATION TEMPERATURE	-30°C to +85°C
LIFE CYCLE (WITHOUT FAILURE)	> 1 Million
IP RATING	IP65

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.