LINEPRO CONTROLS PVT. LTD.
Key Solutions in Electronics

LP4966

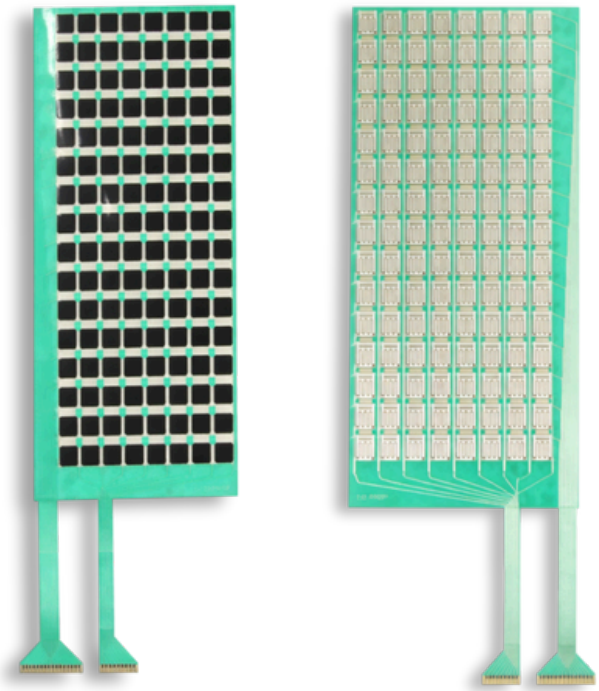
FSR Matrix Sensor 8 x 16

Description :

The FSR Matrix Sensor (8×16) is a compact, flexible force and pressure sensing device based on FSR technology, designed for multi-point pressure measurement. Built on a durable PET polyester substrate, it provides fast response, wide force detection capability, and reliable performance under repeated mechanical loading. The sensor enables accurate force, pressure, and touch sensing in space-constrained applications and is suitable for continuous operation in demanding environmental conditions.

Application :

- Sports and medical performance optimization systems
- Foot condition diagnosis and assessment
- Rehabilitation monitoring and progress tracking
- Gait analysis and pressure distribution measurement
- Footwear design, testing, and development



LINEPRO CONTROLS PVT. LTD.
Key Solutions in Electronics

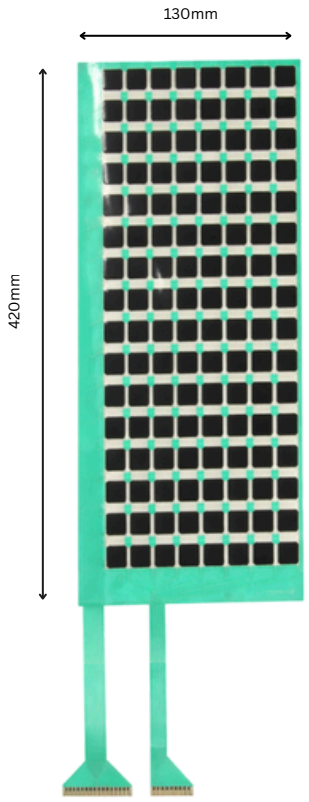
LP4966

FSR Matrix Sensor 8 x 16

Feature :

- Wide force sensing range from 5 N to 450 N
- Detects force, pressure, and touch with high accuracy
- Ultra-thin (0.5 mm), lightweight, and flexible construction
- Fast response time (< 1 ms) for real-time sensing
- High durability with over 1 million actuation cycles
- Resistant to extreme temperatures and harsh operating conditions
- Customizable matrix design for application-specific requirements
- Cost-effective and scalable sensing solution for OEM integration

Sensor Mechanical Data :



LINEPRO CONTROLS PVT. LTD.
Key Solutions in Electronics

LP4966

FSR Matrix Sensor 8 x 16

General Information :

Property	Value
Technology	FSR
Response Time	< 1 msec
Sensing Area	6 mm in diameter
Single sensor resistance range	0.981 to 1.2M Ohms
Pressure Range	0 -71 PSI (0 to 5kg/cm^2)
Conductive Paste	Silver and Carbon
Material Type	Polyester (PET), durable
Dimension	130x420
Thickness	0.5mm
Connector	2-pin Male
Pin Spacing	2.5 mm
Accuracy	High precision with ±5%
Durability	>1 million times
IP rating	IP67
Country of origin	India

LINEPRO CONTROLS PVT. LTD.
Key Solutions in Electronics

LP4966

FSR Matrix Sensor 8 x 16

✦ Datasheet Graph :