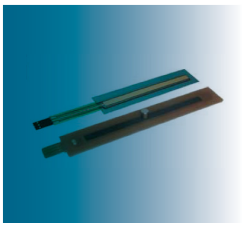
# LinoSense® Stepfoil Potentiometric Linear Membrane displacement sensor

Small stroke length linear motion displacement sensors are widely used in different industries. Depending on the application they function as real sensors or indicators. The difference between sensors and indicators is only that an indicator does not have the same close tolerances as the sensor but is extremly low cost. In sensors & indicators there is a difference in the linearity tolerance and the repeatability. But in any case the  indicator indicates a position whereas a sensor measures the position.

## LSF

## Stepfoil Potentiometric Linear Membrane displacement sensor



**Link for Datasheet :**
www.megauto.de/en/lsf.pdf

- Foil version 0.7 mm with spring loaded wiper.
- FR 4 version 2.4 mm mit magnet wiper.
- Stroke length (mm) -  50, 100, 200, 300,  400,500.
- Resolution : < 1mm
- Flat design self sticking.
- Sealed for harsh environment.
- Robotic inductry, manual input system, doorsystem etc

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|---|---|
| Resistance range (Ω) | 2.5K per 100 mm |
| Resistance tolerance (%) | ±30 |
| Linearity tolerance (%) | < 2 |
| Power rating (Watt) | 0.125 |
| Electrical travel (mm) | 50 - 500 |