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Silicone Stretch Sensor

DATASHEET

VERSION 4.0 171016

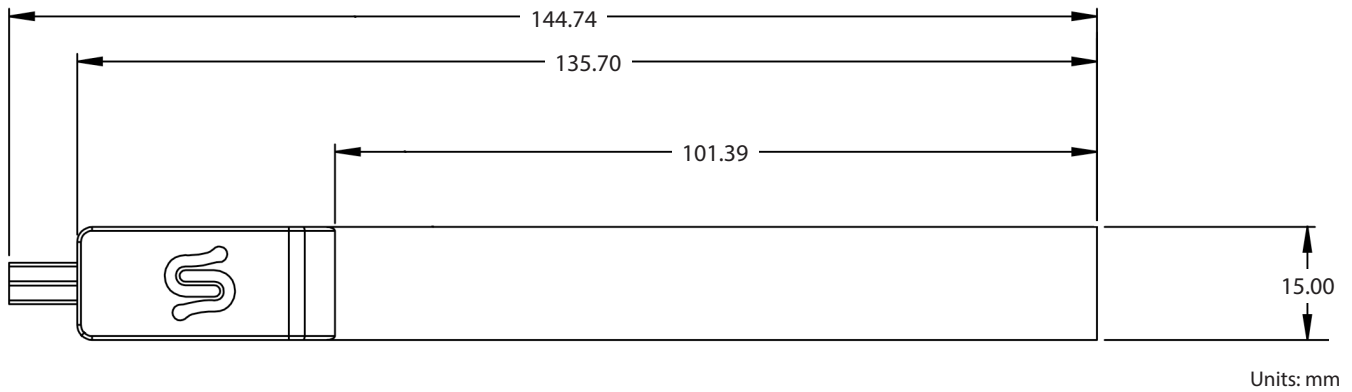


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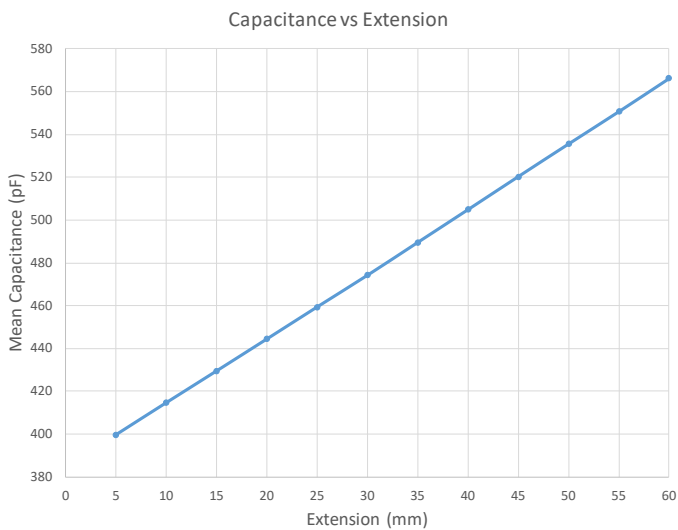
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Silicone Stretch Sensor Datasheet

Sensor Dimensions



Sensor Characteristics *

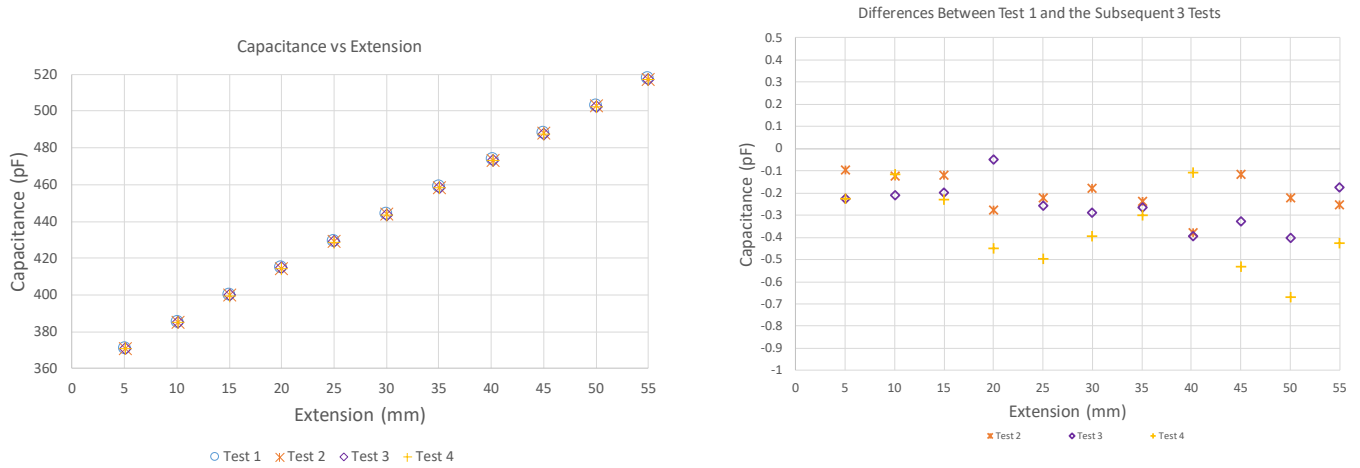


PARAMETERS

| | |
|------------------------------------|-------------|
| Maximum Extension | 200% strain |
| Average Capacitance (un-stretched) | 365 pF |
| Average Sensitivity | 2.8 pF/mm |
| Noise Level | 0.67 pF |

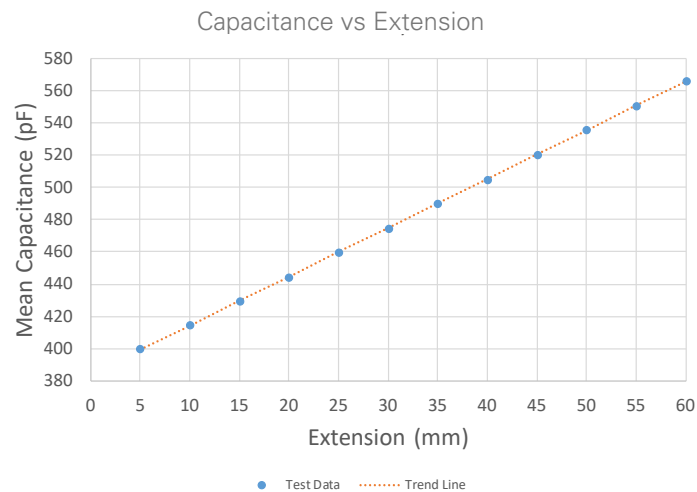
*These values are indicative of the sensors. Individual sensors may vary.

Repeatability



The Silicone Stretch Sensor exhibits highly repeatable behaviour. When testing a sensor's capacitance vs. extension relationship four times, the difference in capacitance values across all four tests is no greater than 0.67 pF.

Linearity



For the shown range, the maximum difference between the mean capacitance values and the trendline is 0.7 pF.

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