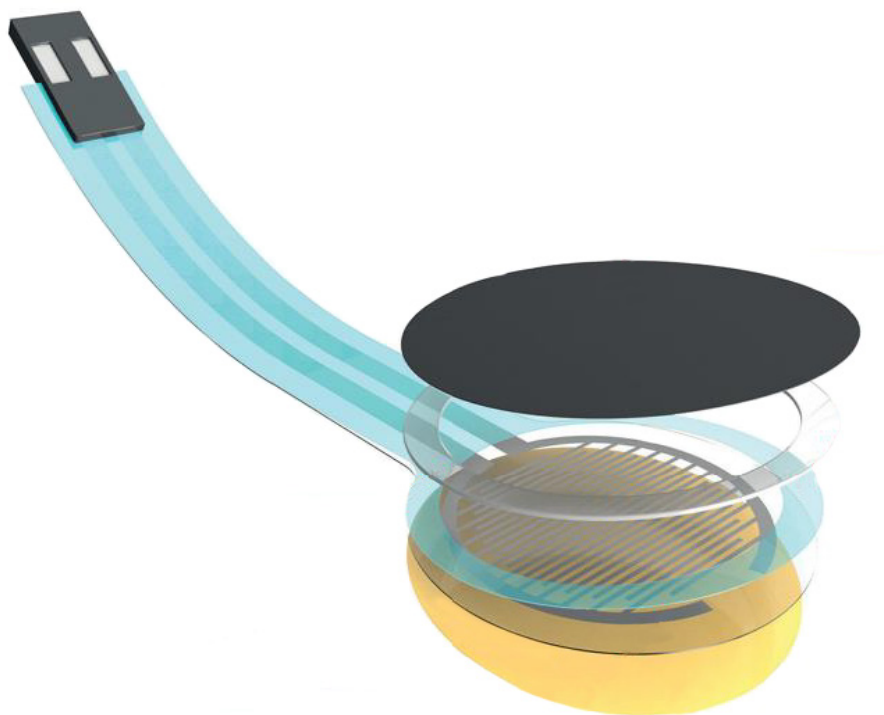


Flexible Force Sensors



Innovative Solutions for Force Measurement.

Flexible force sensors offer a great opportunity for smart applications where force needs to be measured and/or adjusted. They can be used for bed and seat occupancy, speed control or wearables. The variable feedback provided by the force sensors enables the user to interact with real-time measurement.

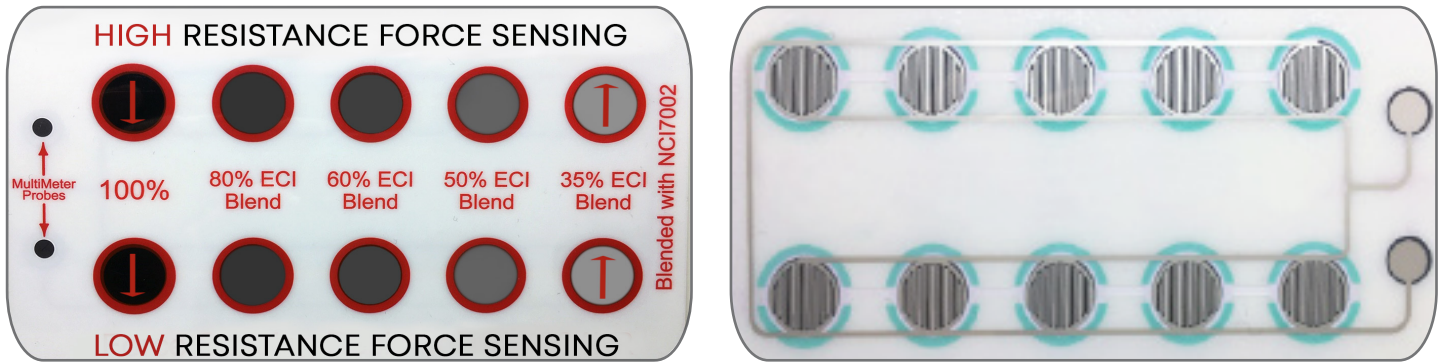
Lightweight, sealed, and versatile in area, the sensors allow for additional design freedom and will reduce the overall weight of a product.

Applications

- Switches
- Touch Technology
- Medical (bed/seat occupancy)
- Wearables
- Transportation (aerospace seat occupancy)

Benefits & Features

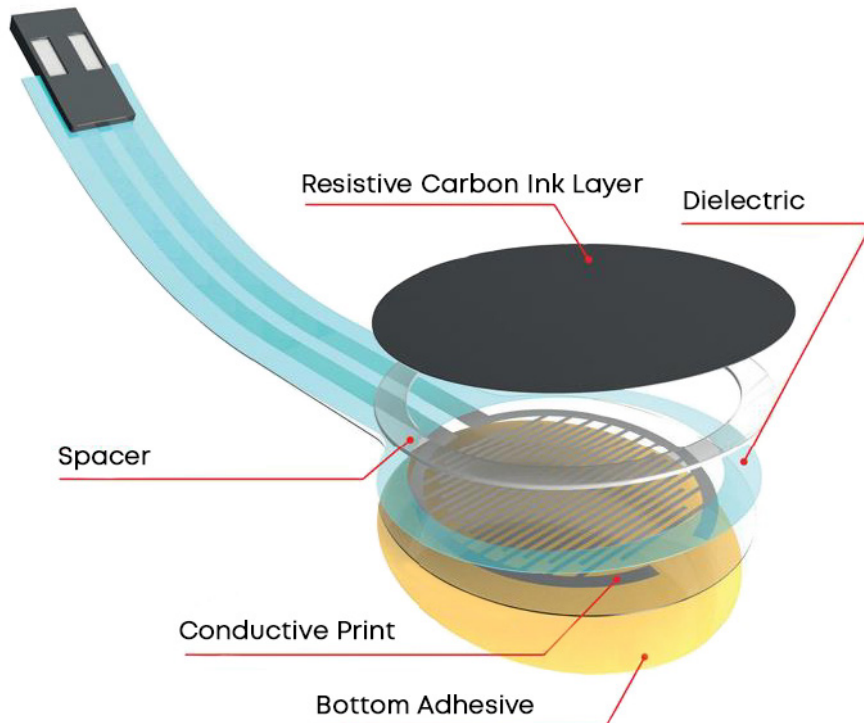
- Customizable
- Flexible
- Resistant to Harsh Environments and Chemicals



Flexible.Thin

Thanks to the thinness and flexibility of the layers, the sensors can suit many applications.

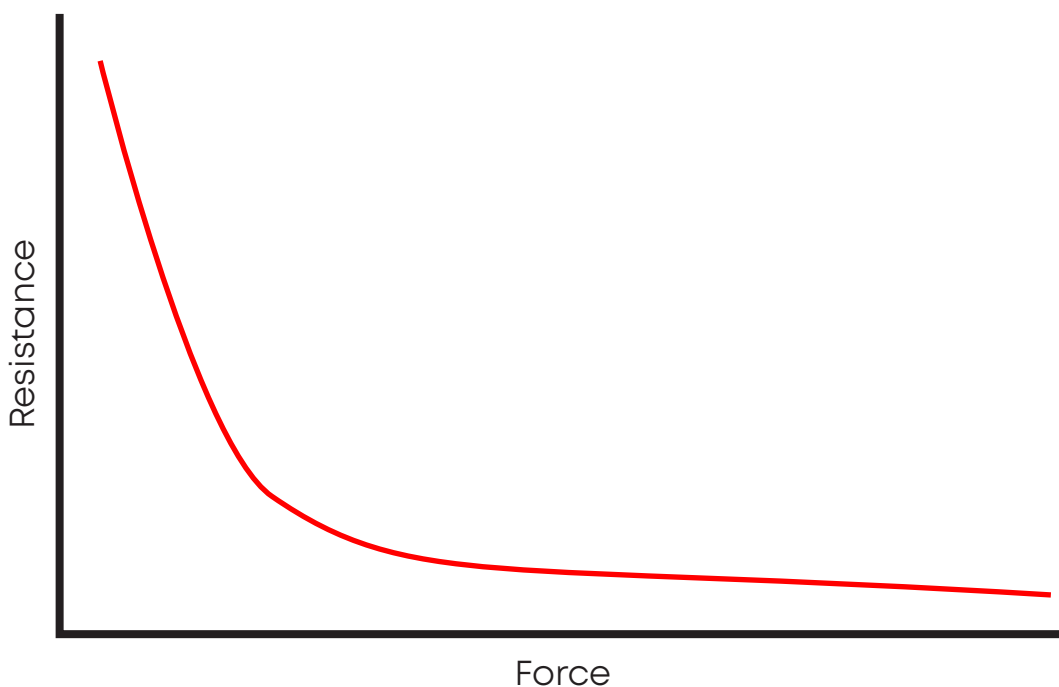
Insight into the Technology



Ink characteristics

LOCTITE ECI 7004HR E&C (% by weight)	LOCTITE NCI 7002 E&C (% by weight)	SHEET RESISTIVITY (ohms/sq/mil)
100	0	3,500
90	10	5,800
80	20	10,100
70	30	17,300
60	40	33,600
50	50	96,000
40	60	360,000
30	70	Non Conductive

Force Sensor Resistor - Principle of Operation





**Electronics should not get in
the way of design freedom.**

For more information, speak with
a specialist at e₂ip technologies.

We're always looking forward to
hearing from you!

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