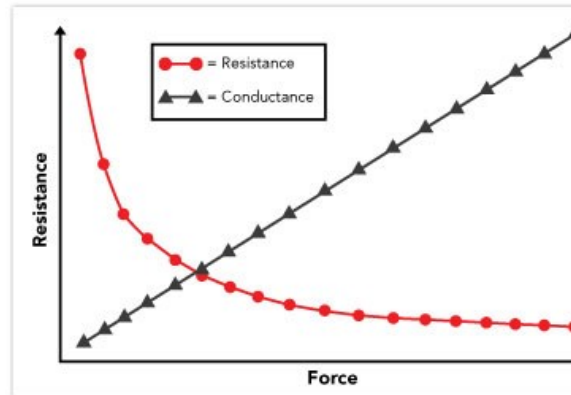




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FlexiForce Sensors are a piezoresistive sensing technology. This means they are passive elements that function as a variable resistor in an electrical circuit. As shown in **Figure 1**, when unloaded, the sensor has a high resistance (on the order of Megaohms (MΩ)) that drops as force is applied (usually on the order of Kiloohms (KΩ)). When you consider the inverse of resistance (conductance), the conductance response as a function of force is linear within the sensor's designated force range. With the variability of the resistance within each sensor there can be a part-to-part difference between FlexiForce sensors as high as +/-40%. It is recommended that you reference the FlexiForce Electrical and Mechanical Integration guides to account for the potential differences.



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