

flex sensor

The Flex Sensor patented technology is based on resistive carbon elements. As a variable printed resistor, the Flex Sensor achieves great form-factor on a thin flexible substrate. When the substrate is bent, the sensor produces a resistance output correlated to the bend radius—the smaller the radius, the higher the resistance value.

Spectra Symbol has used this technology in supplying Flex Sensors for the Nintendo Power Glove, the P5 gaming glove, and the below applications:

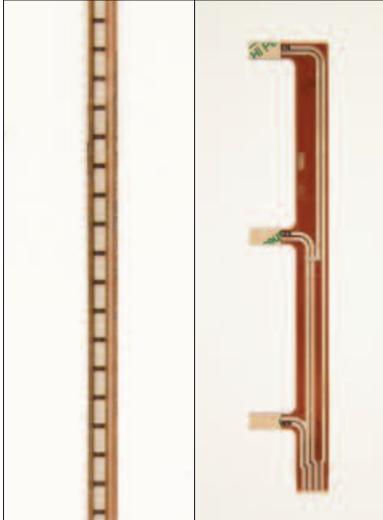
- ◀ Automotive controls
- ◀ Medical devices
- ◀ Industrial controls
- ◀ Computer peripherals
- ◀ Fitness products
- ◀ Musical instruments
- ◀ Measuring devices
- ◀ Virtual reality games
- ◀ Consumer products
- ◀ Physical therapy

Spectra Symbol Designers can vary the actual nominal resistance of the Flex Sensors to meet customer's needs. We can produce our Flex Sensors on a variety of substrates, for example, we can use Dupont's Kapton material if you require high temperature operations.

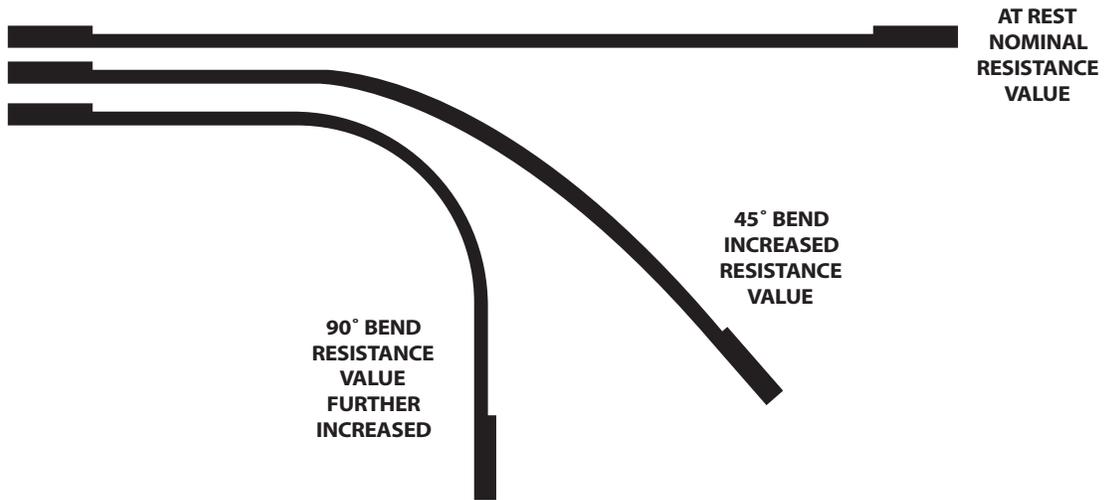
ATTRIBUTES:

- ◀ Custom designed to match customer specs
- ◀ High level of reliability, consistency, repeatability
- ◀ Harsh temperature resistance
- ◀ Variety of flexible or stationary surfaces for mounting
- ◀ Infinite number of resistance possibilities and bend ratios

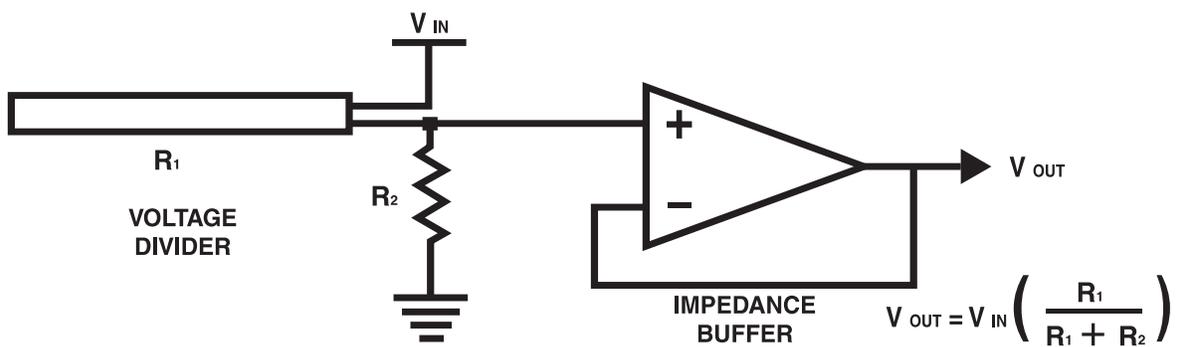
Please call our full Design Engineering team or Sales Engineers for any questions or ideas at **1.888.795.2283** or email us at sales@spectrasymbol.com



FLEX SENSOR OFFERS VARIABLE RESISTANCE READINGS:



BASIC FLEX SENSOR CIRCUIT:



spectrasymbol

3101 West 2100 South
Salt Lake City, Utah 84119
801-972-8012
888-795-2283 (toll-free)
www.spectrasymbol.com