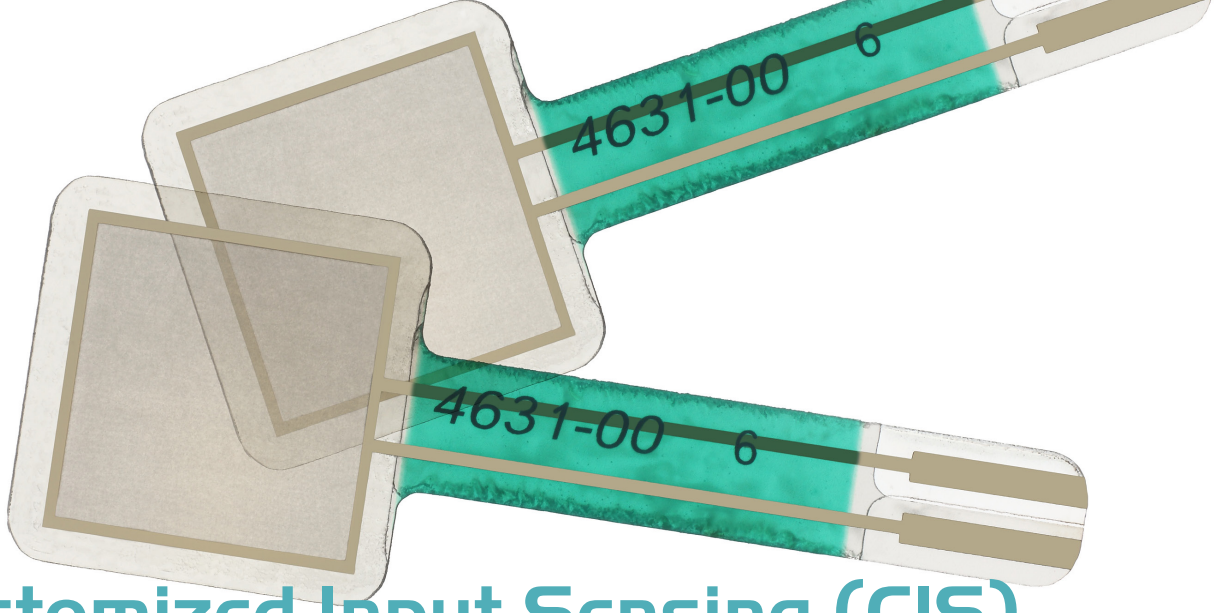

Customized Input Sensing (CIS)

IEE offers human-machine interfaces for vehicle on-board devices requiring touch-sensitive and intuitive navigation. Unlike conventional switches, which have the limited capacity of just turning on or off, our smart input devices enable the user to access a wider range of functions through a simple touch.

Our CIS sensors are available in a range of configurations – from simple switches through to more complex sliders, scrollers and touchpads.

FSR uses variable resistance to detect the pressure that is applied to a sensor cell. This technology is very reliable and can be incorporated into thin and flexible applications. FSR also allows a high degree of design freedom and adapts to a simple electronic interface.

Our FSR sensors consist of two substrates with a spacer in between. The spacer creates the cell structure, while the printed structures on the sensor create the contact. The sensors can also be covered with a variety of materials.

Key Advantages of a Force Sensing Resistor (FSR) Sensor

- **Dynamic FSR cell response:** Because activation requires a certain pressure level, programs and devices cannot be unintentionally activated. The sensor also offers a select and confirm function that operates according to different pressure levels.
- **Thin and lightweight:** Each sensor has a thickness of less than 0.5 mm.
- **Flexible design:** Our FSR sensors are simple and easy to integrate, and the shape can be adapted to suit any geometrical environment. The technology is also ideal for a range of uses where space is limited and complex functionality is required.
- **Reliable technology:** The sensors are based on IEE's proven FSR foil-type contact technology.
- **Added value:** Different sensor functions can be combined in the one device, providing a wider range of uses for the end-consumer.

About Us

IEE S.A. is a worldwide developer, manufacturer and supplier of advanced sensing solutions and electronics for the automotive, building security and management, sports, and medical areas, and looking into broadening its sensors' offer for additional markets, industries and applications. Founded in 1989 and headquartered in Bissen, Luxembourg, the company has since expanded and runs operations in Europe, the U.S. and Asia. IEE employs over 4,100 people, with more than 10% of the company's workforce focused on Research & Development, working on uncovering the next technologies.

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