

How do capacitive sensors work?

The electronics measure this capacity increase, the generated signal is conditioned during subsequent signal processing and causes output switching at a corresponding magnitude. Flush mounting of flush-mountable capacitive sensors is possible in all materials. The minimum distance between the sensors must be observed.

What makes capital a dependable development partner for capacitive sensors?

We use different material compositions and production technologies to be able to provide you sensors of any size and shape. Capital's long-time experience in different sectors makes turns us into a dependable development partner for the integration of capacitive sensors. Gain benefit from our knowledge lead and contact us directly.

What is a capacitive ECG electrode?

Capacitive ECG electrodes enable a non-contact patient monitoring like it was inconceivable only a few years ago. With this revolutionary technology, an measurement of the electrocardiogram (ECG/EKG) can be proceeded without contacting the skin, even through layers of different materials.

How can capacitive sensors improve driver safety?

By integrating capacitive sensors in driver seats, the driver's state can be monitored in high quality. Information about the heart rate, the heart rate variability and about the respiratory rate can be used to improve safety and comfort of the driver. Take the Initiative!

Capacitive sensors from Dietz are available in numerous designs and materials with sensing distances up to 120 mm. The outputs may be digital or analog, using DC- or AC-Voltage. They ...

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Deutsch German de; ??? Chinese ... Our ceramic capacitive pressure sensor with patented technology is characterized by its standardized measuring ranges from 100 mbar to 100 bar, ...

Capacitive Sensor. Capacitive proximity switches detect conductive and non-conductive materials that can be in a solid or liquid state. They serve the purpose of monitoring product levels in ...

German Version. Sensors for machinery construction, industrial automation, the automotive industry, robotics and feeding and mounting systems ... Measuring technology. Light curtains. ...

A capacitive sensor acts like a simple capacitor. A metal plate in the sensing face of the sensor is electrically connected to an internal oscillator circuit and the target to be sensed acts as the second plate of the capacitor. ...

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Capacitive sensors Proximity switch for non-contact detection of liquid as well as solid objects and bulk solids. High switching distance up to 15 mm; Detection through plastic walls; Absolutely ...

The wide diameter (32.4 mm) and the use of the capacitive technology make the ME550 a sensor suitable for measuring very low pressures, as low as 60 mbar. Nevertheless, ME550 sensors ...

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