

Assembly for Sensor Technology

Challenge	The primary challenge was to manufacture a component for capacitive level measurement in compliance with the requirements applicable in the food industry, such as GMP, FDA, (EU) 10/2011, (EC) 1935/2004 and (EC) 2023/2006. Compliance with the listed regulations was a fundamental requirement for all materials and components used.
Solution	Joint development with the customer and implementation of all required standards or specifications by ElringKlinger Kunststofftechnik GmbH.
Result/Conclusion	After joint development, we were able to provide the customer with a final assembled assembly with appropriate packaging according to required standards. All components are manufactured or processed in-house or procured via approved and certified suppliers.

Continuous process monitoring is essential in food production, as well as in process engineering, in order to meet the high quality and safety requirements. PTFE is a frequently used material for these applications, which is characterized by its excellent food compatibility and anti-adhesive properties, while at the same time being highly resistant to aggressive media.

With our many years of experience as a supplier to the food industry in the field of sensor technology, we supported our customer in the development and manufacture of a capacitive level sensor for the food-contact area. In the course of the close cooperation, the customer's product portfolio could be extended or supplemented by the application area of level measurement.

In order to be able to offer the customer further added value in his supply chain, various other components are procured, assembled and installed in an assembly in addition to the production of the plastic components. Final assembly is carried out at our GMP-certified sites and complies with the regulations already listed.

For decades we have been supplying our customers with components such as casing, shrink-wrapped, coated and welded components for applications in sensor technology.

We would also be happy to support you in the development and expansion of your product portfolio.

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