

Thought Leadership  
Level Sensors

PARTNER | SOLVE | DELIVER®





**Elena Tischer**  
Product Manager Level Sensor



**Interview**  
Level Sensors

# Opening

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**Tell me about Standex Electronics.**

Standex Electronics is a global organization that provides a wide array of standard and custom sensors, relays, and power magnetics across a diverse array of end markets. Our global headquarters is located in Fairfield, Ohio, USA, and we have a large global footprint with facilities in Germany, UK, Mexico, China, India, Japan, and several other US-based locations.

**What is your role? What impact do you make on the business?**

As a product manager, I ensure that our customers find the perfect solution for their problem. The solution might be a sensor and/or a technology we already sell, or it might involve developing new technology. As a company, we have never been afraid to set foot into unknown territory.

**What makes the company unique compared to the competition (craftsmanship, care, partnership, problem solvers, full suite of solutions, etc.)?**

Partner, Solve and Deliver® is the mission statement everyone at Standex follows. We're at the customer's side every step of the way, which means a project isn't complete when the product is shipped. As long as there is a need for support, our entire team is prepared to help our customers solve any of their challenges.

In addition, our employees across all of our facilities have the knowledge and expertise to provide a wide range of quality products of the highest standards. And our vertical manufacturing capabilities allow us to produce most of the components ourselves. This is important, especially when it's more complicated than usual to get the supplies you need, because it allows us to keep producing and supplying our customers when the competition can't.

**What stands out about Standex to you?**

Standex offers different level sensor technologies that can be adapted and modified to meet any challenge. Working on a variety of customer challenges makes work interesting and results in a win-win situation for employees and customers.

**What are your favorite elements about working with Standex?**

One of the most interesting parts about working for Standex is having the opportunity to interact with customers and co-workers from around the world. Every project brings something new and exciting with it. It's never repetitive and the many challenges keep the job interesting.

# Level Sensors

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## What are level sensors?

Level sensors detect level changes in liquids with different media. A float with a built-in magnet moving up and down on a shaft, forms the basic components of the sensor. The product ranges from simple sensors with external electronics to complex sensor systems that can be equipped with a wide range of switching states.

## What different types of level sensors does Standex offer?

Standex level sensors specialize in detecting fluids of all sorts. By using different technologies – including reed, hall, capacitive, conductive, and inductive – we're able to perfectly adapt a solution to meet the customer's wishes and needs of detection. Through either direct contact with the fluid (like when using a capacitive sensor) or indirect contact (like when using hall- or reed-based sensors), we ensure that no matter the density, temperature or viscosity, the perfect sensing technology is selected.

## How do Standex level sensors solve customer problems?

Level sensors from Standex are of the highest quality and are very reliable. We're also flexible when developing a standard level sensor so we can adapt to a customized solution if necessary. By doing so, we have a solution to cover nearly every need that a customer might require. Additionally, Standex has the capability to incorporate a variety of different technologies into a level sensor, depending on the medium, to detect the environmental aspects and the technical requirements.

## What are the benefits and features of Standex level sensors?

Every custom sensor from Standex is specially equipped to handle any challenge the application throws at it. From custom-designed floats made out of different materials to custom housings designed to fit in any shape of tank, we're able to help customers solve the toughest challenges through innovative solutions.

## What applications are Standex level sensors used in?

Level sensors are used in a wide variety of applications. Think about it, the moment there is a fluid involved you could measure its height. Some more common examples include measuring the water in a coffee maker, brake fluid in a car, and grey water in a camper. But then there are also smart flowerpots or air conditioners where you wouldn't suspect there is a need for a level sensor at first glance. Standex provides level sensors for every common and uncommon application.

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**What makes Standex level sensors unique?**

We don't just assemble sensors with subcomponents we bought; our vertical manufacturing capabilities enable us to produce the reed switch, housing, float, and almost every subcomponent ourselves. This way we can guarantee a high-quality product.

**Is the German market for level sensors different than other markets?**


Every market is unique, and often depends on the focus markets in each country. In Germany, we have a full spectrum of level sensor applications, from the automotive industry to white goods. But no matter where you are in the world, every level sensor has the same goal: precisely and reliably detect fluid levels.

**What is the next big thing when it comes to level-sensor technology?**

We're currently working on expanding our product spectrum to include more wireless solutions. This will allow us to provide solutions for problems that are not directly hard wired to a network. In times of more and more digitalization, there are many new interesting projects like this heading our way, and as the market leaders, we'll tackle them head on.

**What's the best way to learn more about Standex level sensors?**

Give us a call. Working closely with you, we'll find the best solution for your problem. You can also visit the resources section on our website, where we have a lot of application notes as well as other information regarding the different technology options and sensors.



You are encouraged to get in touch with Standex Electronics to discuss your market, product, and application needs with one of our Engineers today at [www.standexelectronics.com](http://www.standexelectronics.com)!



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Standex Electronics  
Worldwide Headquarters  
4538 Camberwell Road  
Cincinnati, OH 45209 USA

Standex Americas (OH)  
+1.866.STANDEX (+1.866.782.6339)  
info@standexelectronics.com

Northlake Americas (WI)  
+1.262.857.9600  
sales@northlake-eng.com

Standex-Meder Europe (Germany)  
+49.7731.8399.0  
salesemea@standexelectronics.com

Standex-Meder Asia (Shanghai)  
+86.21.37606000  
salesasia@standexelectronics.com

Standex Electronics Japan (Kofu)  
+81.3.6864.0670  
sej-sales@standex.co.jp