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Thought Leadership  
Level Sensors

PARTNER | SOLVE | DELIVER®





**Kristine Barr**  
Field Applications Engineer



**Interview**  
Level Sensors

# Opening

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**Tell me about Standex Electronics.**

Standex Electronics is a global organization that provides standard and custom solutions of sensors, relays, switches and power magnetics. As an engineering and technology focused company, we work diligently to solve problems for our customers by bringing innovative solutions to the table.

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

My role as a Field Applications Engineer for sensors and switches focuses on assisting our customers to find the best solution that fits their needs. This solution could include a standard off the shelf product or a custom solution that requires working hand in hand with the engineering teams. With my background in engineering and project management, I can balance the technical needs, cost and schedule the customer is looking for.

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

Providing solutions that balances the customer needs with their budget is always a challenge that separates Standex from our competition. Standex is also a vertically integrated company that can provide the entire solution from start to finish with the ability to manufacture almost all components in house.

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 stands out about Standex to you?**

Standex's unique partner, solve, deliver approach instills a customer focused mindset within the organization. This provides a common goal where all member of the organization work towards which in turn provides a level of service that is unparalleled.

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

The most satisfying and enjoyable part about working at Standex is being able to work with some of the smartest and most innovative people in the industry that all work together to provide industry technology leading solutions.

# 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 offers fluid level sensors for a variety of markets that detect a wide variety of fluids.

## **How do Standex level sensors solve customer problems?**

Standex has the ability to work around many design challenges with the variety of technologies we are able to provide from reed switch based, conductive, hall effect and capacitive based. We also have been innovative in working around such problems as high viscous fluids that don't allow traditional float solutions to work, extreme environmental conditions such as boat engines and the ability to have high resolution measurements in very tight spaces.

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

Partner, solve, deliver – can customize to customer's needs, diverse and dynamic through the ability to address particular application needs, can move up the value chain through our internal capabilities to package for specific needs around multi-point readings and increased accuracy in various environments.

## **What applications and markets are Standex level sensors utilized for?**

Standex level sensors are used in a wide array of applications and markets where there is a need to measure fluid. These market examples include, but are not limited to... automotive, food service, industrial, transportation, HVAC and others. We also participate in the appliance and industrial markets where we can measure everything from detergent levels to ink in printers, and more.

## **What makes Standex level sensors unique?**

Standex level sensors distinguish themselves by our ability to adapt to the specific needs of the customer. Instead of trying to fit an existing sensor into a customer's application, we prefer to design a sensor that directly fits all the customer's needs.

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**Is the market in Europe for level sensors and/or Proximity Sensors different than other markets/ territories?**

Standex Electronics has the ability to design, package, engineer and manufacture in dynamic ways globally for a wide array of customers and applications. Our diverse capabilities can help others move up the value chain to meet unique requirements and specifications. Proximity sensors are used to sense the presence of an object. Magnetic proximity sensors utilize either a reed switch, hall effect, TMR and other types of chips that can be activated by a magnet or ferrous material. Proximity sensors are used to turn equipment on such as motors, lights, security/alarms, and other market applications.

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

There are no moving components in our CLS products, float, allows our CLS products to be utilized in tougher or rugged environments, electronics are away from the sensor which allows it to be utilized in higher temperature applications, allows for increased accuracy in readings, our CLS and HLS (does have a moving float) products are alternatives to reed technology, HLS technology allows us to serve longer length application needs.

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

Increased needs for smarter technology, increased accuracy performance requests, continued around tough/harsh environments, and areas within alternative or green energy realms.

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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