

# Technology caps pharma bottling process

**T**he TorqSense SGR530/540, measures torque using a full four-element strain gauge bridge. With this, four separate strain gauges are fixed to the drive shaft of the plant or machinery being monitored. The gauges are aligned so that each measures shaft deflection in a different direction.

Sensor Technology has specialised in real-time torque measurement for over 40 years, pioneering the use of wireless solutions based on radio frequency pick-ups that do away with the need for unreliable slip rings.

Bottle capping is nearly always performed at a very high speed to meet production targets. A major advantage of TorqSense is that it does not need to physically contact either the bottle caps or shaft of the torque head it is monitoring, instead using a radio frequency link. This means initial set-up and change over to new product runs are

fast and efficient, while operational reliability is not dependent on delicate slip rings.

Strict international rules apply to the manufacture and packaging of pharmaceutical products., Regulation USP 671 provides a guide to the torque range for screw-type containers with varying closure diameters. By ensuring that bottle caps are successfully applied to the bottles within the required torque tolerances, the integrity of the product can be maintained.

“All you have to do is set up a TorqSense transducer in the capping machine and turn it on,” explained Mark Ingham of Sensor Technology. “Our new SGR TorqSense units are getting a realistic long-term workout on the capping machines, operating for long hours at high speed, where they are required to be 100% reliable and consistently



accurate.”

Fast and accurate torque measurement is becoming more and more important as all sectors of manufacturing automate their physical processes while also needing to improve the recording of production performance data.

[www.sensors.co.uk](http://www.sensors.co.uk)

# Tailor-made process technology products

**V**isitors to [automation24.co.uk](http://automation24.co.uk) can compile custom solutions for every application in the company’s new configurator, a tool in the online shop which enables the configuration of products according to specific requirements.

With sensors for pressure and temperature measurement, as well as various options for the measurement of fill levels, level switches for bulk goods and liquids, and other devices and modules in the field of process technology, Automation24 offers solutions for every standard application. Ever since the introduction of the Endress+Hauser product range, there has been an option to order individually configured solutions by contacting Automation24’s customer service. With the new configurator, customers can quickly, intuitively, and independently compile new applications to suit their respective in-house conditions. Every detail is taken into account – be it the size of the level sensors or the measuring ranges of temperature or pressure sensors.



However, if a customer still requires a consultation, this can be requested via the technical support at Automation24.

Via the product detail pages for the configurable products, the configurator can be called up on the order field with just a click. In addition to the available product options, the user is provided with continuous updates showing how the selected combination affects the price and delivery time. With a practical availability display, Automation24 can respond to customers for whom a fast delivery time is of primary concern. The tried and tested webshop features, such as quotation generation or the

saving of a project list, are being expanded with the ability to share the configured product via a link.

With the launch of the online configurator, it is initially products from Endress+Hauser that will be available for configuration, whereby tens of thousands of different combinations are already possible. Finally, the product range has also been expanded with products from the manufacturer ASO Safety Solutions. For 2023, there are plans in place to add further products and manufacturers, such as Wika, to the configurator.

[automation24.co.uk](http://automation24.co.uk)