



Business / Trailers & Bodies

35 MINS AGO

Spireon introduces FleetLocate Cargo Sensor with IntelliScan sensing technology



Fleet Equipment Staff,



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[Spireon](#) has introduced a new FleetLocate Cargo Sensor with IntelliScan sensing technology. According to the company, IntelliScan technology uses a unique combination of sensing methods, including optical imaging and laser time of flight, to provide trailer fleet managers with a more precise picture of what is inside every trailer, providing unprecedented accuracy in visualizing cargo load status.

“The accuracy of IntelliScan technology is vastly superior to anything on the market today, and the industry has been in dire need of a better solution for cargo monitoring,” said Rick Gruenhagen, chief technology officer at Spireon. “Our new cargo sensor can deliver the precise readings trailer managers need, saving time, reducing detention and maximizing resources to drive bottom line results.”

Ultrasonic detection—the current industry standard in cargo sensors—is heavily impacted by conditions inside the trailer, such as temperature, humidity, cargo type and distance between the sensor and cargo. For example, cargo that includes soft materials like foam or cotton absorb sonic waves, affecting accuracy of readings. Any material that is placed directly against an ultrasonic sensor blocks sonic waves, potentially indicating an empty cargo load by mistake.

According to Spireon, the FleetLocate Cargo Sensor with IntelliScan technology is designed to resolve the issues with ultrasonic detection, which is often used in cargo sensors, such as being overly impacted by conditions inside the trailer, such as temperature, humidity, cargo type and distance between the sensor and cargo. The company says that the new sensor resolves these issues by combining multiple sensors within a single device, and adding sophisticated processing power to the sensors themselves. IntelliScan uses lasers for time of flight measurement, eliminating problems associated with cargo type and proximity; however, lasers alone have range limitations, so Spireon also incorporated a camera in the device as well. As a result, the Spireon solution will capture the entire 53-ft. trailer, regardless of environmental conditions or varying cargo types.

“All other cargo sensors use only one type of technology and very limited processing capability. Our new IntelliScan-based cargo sensor is a powerful computer in itself, utilizing advanced algorithms to perform analysis of laser and optical readings in real-time,” said Reza Hemmati, senior director of product management at Spireon. “By combining data from the device with the power of our NSpire platform for additional analysis, we can deliver the most accurate information to customers, which allows them to make the best business decisions as quickly as possible.”

FleetLocate Cargo Sensors with IntelliScan are already installed with a select group of Spireon customers, and will be generally available in Q3 of 2018.

<http://www.fleetequipmentmag.com/spireon-introduces-fleetlocate-cargo-sensor-with-intelliscan-sensing-technology/>