



AGRITECHNICA 2017 Spotlight - The F02, a reliable pressure sensor for agricultural technology

At Agritechnica 2017, STW will showcase the F02, a reliable pressure sensor for Agricultural Technology along with other exciting developments in Hall 15, Stand F49.

NORCROSS, Ga. - Nov. 9, 2017 - [PRLog](#) -- STW, a premier provider for mobile automation, digitalization and electrification solutions, will be showing new and exciting developments at this year's AGRITECHNICA in Hall 15 at Stand F49 from 12th to 18th of November. One of the products being highlighted by STW is the F02, a reliable pressure sensor for Agricultural Technology.

Future trends are moving towards self-learning and autonomous systems. For this reason, the requirements placed on electronic components are increasing regarding functional safety, because no human is present to correct electronics errors. In the past, STW recognized the significance of functional safety already at an early stage, and brought an array of products onto the market, which are suitable for applications with increased functional safety. These include control units, such as the ESX-3XL, displays in the VSX family, or pressure transmitters such as the digiSENS-F02.

By 2016, the digiSENS-F02 had already been certified for applications with PL d according to ISO 13849, and SIL 2 according to IEC 61508. After a successful series start, the certification obtained for the digiSENS-F02 has been extended by the standard ISO 25119. This specific standard takes the requirements of tractors, agricultural and forestry machines, and municipal vehicles into consideration. Therefore, the digiSENS-F02 now also addresses applications with AgPL d in the market of mobile machines, the core market of STW.

More information on F02 is available at <https://www.stw-technic.com/products/sensors-and-measur...>

In the future, besides ISO 13849, EN 61508 and ISO 25119, ISO 26262 will become of great significance for the products produced by STW. The ISO 26262 from 2011 is limited to vehicles with up to 3.5t permissible total weight. The weight limitation is to be omitted in the next version of this standard. Therefore, the validity will also include applications such as undercarriages of mobile machines. Certification according to the new version of the standard is already planned, as is the introduction of a CANopen safety interface.

STW will be showcasing the F02 at AGRITECHNICA this year, November 12 – 18th in Hanover, Germany. For 7 days AGRITECHNICA 2017 will set the stage for 2,900 exhibitors and will lift the curtain for you on the future of crop production. STW will be in Hall 15 at Stand F49.

About STW: STW (<https://www.stw-technic.com/>) is an award-winning, world class provider of mobile electronics and associated software for automation, digitalization and electrification of off highway vehicles, offering a full spectrum of solutions to a wide range of industries such as mining, construction, agriculture, material handling, transportation, military and oil and gas. STW solutions have attained a leading role in these industries due to their rigorous testing, high quality German engineering and unmatched flexibility. All of STW's products are mobile off-highway rated.

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