

## **First 1000Base-T1 compliance test solution in the R&S RTO oscilloscope supports automotive industry**

**Automotive Ethernet has established itself as a standard communications structure. All major manufacturers now depend on this cost-efficient solution for fast data transmission in motor vehicles. With the new IEEE 1000Base-T1 standard, the success story continues. Rohde & Schwarz is the first T&M equipment manufacturer to offer a compliance test solution for 1000Base-T1.**

Munich, March 15, 2017 — Rohde & Schwarz introduces the R&S RTO-K87 option, the first compliance test software on the market for automated testing of IEEE 1000Base-T1 interfaces. Fast data transmission within automotive Ethernet networks is critical for driver assistance systems as well as for autonomous driving applications. Rohde & Schwarz has been an active participant in IEEE and OPEN Alliance, using its expertise to help drive the development of a reliable test solution.

On the R&S RTO digital oscilloscope, users can now perform the tests defined in the standard and assess the reliability of data communications over 1000Base-T1 interfaces. When used in combination with the optional R&S RTO-B6 integrated arbitrary waveform generator, the R&S RTO2000 can independently generate the required 125 MHz interfering signal – no additional instruments are required.

The R&S RTO-K87 compliance test software includes pictorial instructions that guide users through the measurements step by step. The oscilloscope is automatically configured and the results are documented in a straightforward test report. The software additionally supports the standard's return loss and mode conversion measurements, which are performed on a Rohde & Schwarz network analyzer.

The Rohde & Schwarz compliance tests for 1000Base-T1 and 100Base-T1/BroadR-Reach as well as the trigger and decoding options for LIN, CAN, CAN-FD, FlexRay and CXPI provide the automotive industry with a comprehensive, yet compact test solution for ECU development.

The R&S RTO-K87 compliance test software option for 1000Base-T1 is now available from Rohde & Schwarz. For more information about Rohde & Schwarz automotive solutions, visit [www.rohde-schwarz.com/ad/press/rto2000](http://www.rohde-schwarz.com/ad/press/rto2000).

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**Rohde & Schwarz**

**The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.**

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