

Rohde & Schwarz introduces powerful 6 GHz lab oscilloscope for multi-domain applications

Rohde & Schwarz has added a new 6 GHz model to its R&S RTO2000 series, opening up measurements on fast communications interfaces and IoT applications. The exceptional characteristics of the compact R&S RTO2000 lab oscilloscopes make them the ideal instrument for demanding measurement tasks such as power integrity measurements.

Munich, January 31, 2017 — The new R&S RTO2000 model with 6 GHz bandwidth allows developers to test the radio interfaces of 802.11ac WLAN components for IoT modules in the 5 GHz band as well as fast communications interfaces such as USB 3.1 Gen 1 with data rates of 5 Gbit/s. Thanks to its multi-domain functionality, only a single compact instrument is needed to analyze power supplies, processors and sensors with up to 6 GHz bandwidth. Synchronized time, frequency, protocol and logic analyses results allow users to debug at the system level.

Powerful lab oscilloscope with 6 GHz bandwidth

The R&S RTO2000 offers users the best oscilloscope performance in its class, even at 6 GHz bandwidth. Up to 16-bit vertical resolution in high definition mode enables developers to detect even the smallest of signal details. The R&S RTO2000 is the only oscilloscope to offer one million waveforms per second, allowing fast identification of even the most sporadic signal faults. The integrated spectrum analysis and spectrogram display make it possible to observe the signal path in the frequency domain as well as over time.

Unique measurement functions and easy operation

The zone trigger for the time and frequency domain supports developers in their day-to-day tasks. This unique function lets them isolate events graphically in the time and frequency domain, for example in order to separate read and write messages from memory interfaces. The R&S RTO2000 offers an unmatched 2 Gsample memory, so users can analyze even long pulse and protocol sequences. They can also use the history function to retrieve previously acquired waveforms. The high-resolution, 12.1" touchscreen and the color-coded controls make the R&S RTO2000 especially intuitive to use. The app cockpit provides direct access to all available applications, such as trigger and decoding functions,

conformance and signal integrity tests, I/Q analysis and even customer-specific development tools.

The new R&S RTO2000 lab oscilloscope with 6 GHz bandwidth is now available from Rohde & Schwarz. It will be presented to the public for the first time at DesignCon 2017 in Santa Clara, California on February 1 and 2, 2017. For more information about Rohde & Schwarz oscilloscopes, visit: 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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